



गेल (इंडिया) लिमिटेड  
GAIL (India) Limited  
(A Government of India Undertaking)  
(A Maharatna Company)



# **GAIL (India) Limited**

(A Government of India Undertaking)

(A Maharatna Company)

REGIONAL PIPELINE NETWORK HEADQUARTERS-GUJARAT  
MANISHA CIRCLE ,OLD PADRA ROAD  
VADODARA-390015

**TENDER NO: GAIL/BDA/49642/CP/BD/14/D05**

**(E-BID NO.8000006687)**

## **TENDER DOCUMENT**

### **FOR**

**"SURVEY, DESIGN, SUPPLY,INSTALLATION &  
COMMISSIONING OF CCTV SURVEILLANCE  
SYSTEM AT GAIL PIPELINE INSTALLATION AND  
GAIL GUEST HOUSE UNDER RPNHQ, VADODARA"**



## IMPORTANT INSTRUCTIONS

PLEASE NOTE THAT THIS "REQUEST FOR QUOTATION [RFQ]" IS ON "ZERO-DEVIATION" BASIS. GAIL WILL ACCEPT OFFERS BASED ON TERMS AND CONDITIONS OF THIS "REQUEST FOR QUOTATION [RFQ] & TENDER DOCUMENT" ONLY. DEVIATION TO TERMS AND CONDITIONS OF "REQUEST FOR QUOTATION [RFQ] & TENDER DOCUMENT" MAY LEAD TO REJECTION OF OFFER.

"INCOMPLETE BIDS SHALL NOT BE CONSIDERED"

PRIOR TO DETAILED EVALUATION, PURSUANT TO "BID EVALUATION AND REJECTION CRITERIA", GAIL WILL DETERMINE THE SUBSTANTIAL RESPONSIVENESS OF EACH BID TO THE "RFQ & TENDER DOCUMENT". FOR THE PURPOSE OF THIS, A SUBSTANTIALLY RESPONSIVE BID IS ONE WHICH CONFORMS TO ALL THE TERMS AND CONDITIONS OF THE BIDDING DOCUMENTS WITHOUT 'DEVIATIONS' OR 'RESERVATIONS / EXCEPTIONS'. GAIL'S DETERMINATION OF A BID'S RESPONSIVENESS IS BASED ON THE CONTENT OF THE BID ITSELF, WITHOUT RECOURSE TO EXTRINSIC EVIDENCE.

'TECHNICAL' AND/OR 'COMMERCIAL' QUERY(S), IF REQUIRED, MAY BE RAISED ON THE BIDDER(S) – THE DECISION FOR WHICH WILL BE SOLELY BASED ON CIRCUMSPECTION BY 'GAIL (INDIA) LIMITED'. HOWEVER, ISSUANCE OF REQUEST FOR SUCH 'CLARIFICATIONS' SHALL NOT BE RESORTED TO MORE THAN 'ONCE'. THE 'RESPONSE(S)' TO THE SAME SHALL BE IN WRITING, AND NO CHANGE IN THE 'PRICE(S)' OR 'SUBSTANCE' OF THE BIDS SHALL BE SOUGHT, OFFERED OR PERMITTED. THE SUBSTANCE OF THE BID INCLUDES BUT NOT LIMITED TO PRICES, COMPLETION, SCOPE, TECHNICAL SPECIFICATIONS, ETC.

BIDDERS ARE REQUESTED TO NOT TO TAKE ANY 'DEVIATION/EXCEPTION' TO THE TERMS AND CONDITIONS LAID DOWN IN THIS "RFQ & TENDER DOCUMENT", AND SUBMIT ALL REQUISITE DOCUMENTS AS MENTIONED IN THIS "RFQ & TENDER DOCUMENT", FAILING WHICH YOUR OFFER WILL BE LIABLE FOR REJECTION.



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# SECTION - I

## INVITATION FOR BIDS[IFB] & INSTRUCTIONS FOR PARTICIPATION IN E- PROCUREMENT



SECTION - I  
**INVITATION FOR BIDS [IFB]**

**SUB: TENDER NO. GAIL/BDA/49642/CP/BD/14/D 05 (E-Bid No. 8000006687) FOR SURVEY, DESIGN, SUPPLY, INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ VADODARA AND GAIL GUEST HOUSE VADODARA"**

- I. PERIOD OF CONTRACT/ COMPLETION SCHEDULE : As detailed in Special Conditions of Contract (Section V)
- II. EARNEST MONEY DEPOSIT : Rs. 1,32,385.00
- III. BID DUE DATE & TIME : 06.08.2014 at 1400 hrs.
- IV. OPENING OF UNPRICED BID : 06.08.2014 at 1500 hrs.
- V. VALIDITY OF OFFER UPTO : 06.11.2014
- VI. VENUE FOR OPENING OF UNPRICED BIDS : GAIL (India) Limited  
Manisha Circle, Old Padra Road  
Distt. Vadodara (Gujarat) (India)  
PIN Code: 390015  
Ph: +91 265 2330888
- VII. MODE OF TENDERING : E-Tendering (Under Two Bid System), through GAIL's e-tender Portal <https://etender.gail.co.in>
- VIII. DATE AND TIME OF PRE-BID CONFERENCE : 30.07.2014 at 11.00 hrs.  
VENUE : GAIL (India) Limited  
Manisha Circle, Old Padra Road,  
Distt. Vadodara (Gujarat) (India),  
PIN Code: 390015; Ph: +91 265 2330888

Dear Sirs,

**1.0** GAIL (India) Ltd., Vadodara invites you to submit your bid for the captioned work in complete accordance with this IFB.

**2.0 GENERAL**

**2.1** Bids are to be submitted through e-tender mode (website: <https://etender.gail.co.in>) by logon using User-Id and Password. In case of vendors not possessing the User-Id and Password, they can access through Guest Login as a Guest User. This facilitates viewing of tender in display mode in Collaboration folder (C Folder). If the vendor desires to download the NIT and its attachment, he may download the same.

**2.2** Bidders who wish to participate in tender can upload their bids in GAIL's e-tender website (i.e. <https://etender.gail.co.in>).

**2.3 PARTICIPATION IN BID, REQUEST FOR USER ID and PASSWORD:**

To participate in Bid submission through e-tender, it is Mandatory on the part of Vendors to have User ID and Password. To obtain User ID and Password Vendor/Bidder must open GAIL's e-tender website (i.e. <https://etender.gail.co.in>) and perform the following steps:



- i) Click on button: Request User ID (For new Bidders)
- ii) Fill the on-line form and submit. Ensure that the email address given in the form is valid and active. If you have already been provided with the Vendor Code of GAIL, please mention the 10 digit Vendor code in specified field, otherwise leave blank.
- iii) Ensure that all the mandatory fields (identified with a star mark) are filled in the application form for User ID creation.

E-Procurement administrator would take possible care to allot a User ID and Password within 4 working days of your on-line request. An Email (system generated) shall be sent to your email – Id (mentioned by you in the Registration form) giving details of your User - ID and Password. On Receipt of User ID, Please reset the password immediately by logging to our E-tendering site.

User ID and passwords are unique to each vendor and the vendor can use the same to view/download/participate in all e-tenders of GAIL.

**Note:** Without login registration ID vendor cannot participate in e-tender. There will be single login ID permission for one single vendor. There can be more than one I.D for the same vendor at different location address.

Obtaining User Id is an on-going process and is not linked to any particular Bid Invitation (tender). Any vendor willing to participate in GAIL tenders can obtain User Id as described above. Each vendor will get one User ID. Vendors are requested to designate one officer from their organization who will submit bids on line.

Vendors are advised to apply for User ID at least 7 days prior to the last date of bid submission in their own interest. User IDs shall be given within 4 days subject to condition that information furnished by the bidder is complete in all respect. GAIL shall not be responsible for any delays in allocation of user ID/Password and the ensuing consequences including but not limited to timely submission of bids.

- 2.4 Bids should be submitted through e-tender mode only [no Manual/Hard copy of bids are acceptable] before 1400 hrs (IST) on DUE DATE AND TIME FOR SUBMISSION OF BID along with copy of Earnest Money Deposit/ Bid Bond. Earnest Money Deposit/ Bid Bond of requisite value in original should reach us **WITHIN 7 DAYS FROM THE DATE OF UNPRICED BID OPENING DATE.**
- 2.5 Bids complete in all respects should be submitted through e-tender mode on or before the BID DUE DATE AND TIME. No Manual Bids/ Offers (hard copies) shall be permitted.
- 2.6 The Bid Document calls for offers on single point "Sole Bidder" responsibility basis. Order will be placed on the "Sole Bidder" alone who will be responsible for all contractual purposes. Further the bidders are advised to ensure that their offer is on single bidder responsibility basis and in total compliance of scope of supply as specified in Bid Document.
- 2.7 Bidders are advised to quote strictly as per terms and conditions of the tender documents and not to stipulate any deviations/exceptions. Once quoted, the Bidder shall not make any subsequent price change after due date and time of submission of bid, even if any deviation or exception may be specifically stated in the bid. Price changes through any other mode shall render the offer liable for rejection.
- 2.8 This Invitation for Bids (IFB) is an integral and inseparable part of the enclosed Bid Document.
- 2.9 GAIL reserves the right to accept or reject any or all offers without assigning any reason, whatsoever.



2.10 A Pre-Bid conference (PBC) is scheduled on 30.07.2014 at 1100 hrs in Conference Hall of Office Building, GAIL (India) Ltd, Vadodara, Gujarat [India], Phone: 0265 2330888, to discuss Scope of Work, Terms and Conditions of tender document. Prospective bidders may also inspect/assess the site before submission of bid. For participation contact CM(C&P), Phone: Phone: 0265 2330888, Extn: 380, E-mail ID: [skmishra@gail.co.in](mailto:skmishra@gail.co.in); [mks4552@gail.co.in](mailto:mks4552@gail.co.in); [bs01926@gail.co.in](mailto:bs01926@gail.co.in)

THIS IS NOT AN ORDER

Yours Truly,

For GAIL (India) Limited

[S Brindaban]  
Dy Manager [C&P]  
Ph: +91-265-2330888; Extn: 380,383  
E-mail: [skmishra@gail.co.in](mailto:skmishra@gail.co.in) / [bs01926@gail.co.in](mailto:bs01926@gail.co.in)



## SECTION-II

# **INSTRUCTIONS FOR PARTICIPATION IN E-PROCUREMENT**

GAIL (India) Ltd., has developed a secured and user friendly system which will enable Vendors/Bidders to Search, View, Download tenders directly from GAIL (India) Ltd. secured website and also enables them to participate and submit Online Bids/Offers in the E-Procurement site directly from the website in secured and transparent manner maintaining confidentiality and security throughout the tender evaluation process and award.

Bidders are requested to read following conditions in conjunction with various conditions, wherever applicable appearing with this bid invitation for e-Procurement. The conditions mentioned here in under shall supersede and shall prevail over the conditions enumerated elsewhere in the tender document.

### **1) How to submit On-line Bids/Offers electronically against E-Procurement tenders?**

Vendor/Bidder who wish to participate for E-tenders which are uploaded on GAIL (India) Ltd. Website <https://etender.gail.co.in> should follow the following steps which shall permit them to Search, Display/View, Download and Submit their **electronic Bids/Offers** online in a secured manner ensuring confidentiality.

**Vendors/Bidders are advised to read the following instructions for participating in the electronic tenders directly through Internet:**

(i) **No Late and delayed Bids/Offers after due date/time shall be permitted in E-procurement system.** No bid can be submitted after the last date and time of submission has reached, however if bidder intends to change the bid already entered may change/revise the same on or before the last date and time of submission deadline. The system time (IST) that will be displayed on e-Procurement webpage shall be the time and no other time shall be taken into cognizance.

(ii) Bidders are advised in their own interest to ensure that bids are uploaded in e-Procurement system well before the closing date and time of bid.

(iii) No bid can be modified after the dead line for submission of bids.

(iv) **No Manual Bids/Offers shall be permitted. The offers submitted through e-tendering system shall only be considered for evaluation.**

### **2) HOW TO SEARCH, VIEW AND DOWNLOAD E-TENDER?**

Vendors/Bidders must go to e-tender website <https://etender.gail.co.in> and logon using their user-id and password. In the case of vendors not possessing the User Id and Password, they can access through Guest Login as guest. This facilitates viewing of tenders in display mode in Collaboration folder (C Folder). If the vendor desires to download the NIT and attached e-tender at this stage, he may download the same for viewing free of cost.

Note: All e-tender notices and tender documents are available only in soft copies such as Microsoft Word, Excel, PDF files. For downloading / viewing PDF files use **Adobe 6 Software utility** which can be installed free of cost from Vendors home page link by any vendor onto his own computer.

### **3) PARTICIPATION IN BID, REQUEST FOR USER ID and PASSWORD:**

To participate in Bid submission, it is Mandatory on the part of Vendor(s) to have User ID and Password. To obtain User ID and Password Vendor/Bidder must open <https://etender.gail.co.in> site and perform the following steps:

i) Click on button Request User ID (For new Bidders)





- ii) Fill the on line form and submit. Ensure that the email address given in the form is valid and active. If you have already been provided with the Vendor Code of GAIL, please mention the 10 digit Vendor code in specified field, otherwise leave blank.
- iii) Ensure that all the mandatory fields (identified with a star mark) are filled in application form for User ID creation.

E-Procurement administrator would take possible care to allot a User id and Password within 4 working days. An Email (system generated) shall be sent to your email – Id (mentioned by you in the Registration form) giving details of your User- ID and password. On Receipt of User Id, Please reset the password immediately by logging to our E-tendering site.

User Id and passwords are unique to each vendor and the vendor can use the same to view/download/participate in all e-tenders of GAIL.

**Note:** Without login registration I.D vendor cannot participate in e-tender. There will be single login I.D permission for one single vendor. There can be more than one I.D for the same vendor at different location address.

Obtaining User Id is an on-going process and is not linked to any particular Bid Invitation (tender). Any vendor willing to participate in GAIL tenders can obtain User Id as described above. Each vendor will get one user id. Vendors are requested to designate one officer from their organization who will submit bids on line.

Vendors are advised to apply for user ID at least 7 days prior to the last date of bid submission in their own interests. User ids shall be given within 4 days subject to condition that information furnished by the bidder is complete in all respect. GAIL shall not be responsible for any delays in allocation of user id/password and the ensuing consequences including but not limited to timely submission of bids.

**4) WHAT IS A DIGITAL SIGNATURE?**

This is a unique digital code which can be transmitted electronically and primarily identifies a unique sender. The objective of digital signature is to guarantee that the individual sending the message is who he or she really claims to be just like the written signature. The Controller of Certifying Authorities of India (CCA) has authorized certain trusted Certifying Authorities (CA) who in turn allots on a regular basis Digital Certificates. Documents which are signed digitally are legally valid documents as per the Indian IT Act (2000).

**5) WHY IS A DIGITAL SIGNATURE REQUIRED?**

In order to bid for GAIL e-tenders all the vendors are required to obtain a legally valid Digital Certificate as per Indian IT Act from the licensed Certifying Authorities (CA) operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.

**6) HOW TO OBTAIN DIGITAL CERTIFICATE FROM CERTIFYING AUTHORITY (CA)?**

Vendors/Bidders cannot submit online Bids/Offeres under e-tenders without obtaining valid Digital Certificate from Certifying Agency (C.A). A hyperlink on Vendor/Bidder home page gives link to Controller of Certifying Agency's (C.C.A.) website from there the bidder can access web sites of various CA sites, using the links provided. One Digital Certificate is valid for specified period and can be used for signing any number of quotations against enquiries issued by GAIL during such validity period.

**Note:** In terms of IT Act 2000, only a digitally signed document will be considered as valid signed document.

The Digital Certificate is issued by C. A. in the name of a person authorized for filing Bids/Offer on behalf of his Company. The certificate is installed / stored in his computer or preferably received by him (his authorized person) in form as **USB token**. A Vendor/Bidder can submit their Bids/Offer On-line only after digitally signing the bid/documents with the above allotted Digital Signatures.

**7) STEPS FOR OBTAINING DIGITAL CERTIFICATE:**

Digital Certificate can be obtained by the following steps:

- i) Visit the site of the licensed CA\* using internet browser.
- ii) Apply for a class 3 Digital Certificate for the designated individual with the name of Organization. Ensure the Digital Certificate is legally valid in India.
- iii) For making payment and submission of documents required for issue of the Digital Certificate, follow the instructions on the CA's website.
- iv) Use the class 3 Digital Certificate thus obtained for online bidding on GAIL e-Procurement site.

**\*Links to some licensed CA's are provided below**

1. <http://www.ncodesolutions.com>
2. <http://www.safescrypt.com/>
3. <http://www.tcs-ca.tcs.co.in/>
4. <http://www.mtnltrustline.com/>

**Note: The Digital signatures should be obtained directly from certifying authority (CA) mentioned above. Digital signature taken from Sub CA will not be acceptable in the e-tendering system.**

**8) PRE-BID CONFERENCE:**

Subsequent to opening of bids, GAIL may not seek clarifications. Therefore, clarifications, if any, are to be sought by the bidders during the pre-bid conference.

During the pre-bid conference, GAIL may also arrange demonstration of the e-Procurement portal to the interested vendors.

**9) SUBMISSION OF DOCUMENTS:**

Bidders are required to upload all Tender forms and supporting documents which form part of the bid/tender in the e-Procurement (C-Folders) site only. However, documents specified to be submitted physically viz: EMD etc. need to be submitted in a sealed envelope in accordance with the method described in RFQ. Bidder shall ensure that all the documents relevant to bid are uploaded in time and failure to upload the same before bid submission date is the sole responsibility of bidder. Under no circumstances, GAIL shall entertain any request for acceptance of bid documents in physical form, which were required to be uploaded in e-form.

**Note:**

- 1) Bidder is required to save/store their bid documents for each item into their computers before submitting their bid into e-tender box.
- 2) Bidder is required to fill up the price/rate strictly in the Schedule of Rate (SOR) attached with the tender.

Inadvertently, if a document is uploaded in Collaboration Folder (C Folder) by the bidders, such document can be deleted by the Bidder and in its place a new/modified document can be uploaded. The new/modified document will be required to be signed digitally. Where two similar documents are existing in the folder, the latest version of the document shall only be taken into cognizance for evaluation and earlier versions shall be ignored.



Bidders are requested to upload small sized documents preferably (upto 2 MB) at a time to facilitate easy uploading into e-Procurement site. GAIL does not take any responsibility in case of failure of the bidder to upload the documents within specified time of tender submission.

**10) PRICES, OTHER DOCUMENTS AND DIGITAL SIGNATURE:**

The Prices are to be submitted online strictly as per the Schedule of Rates (SOR). GAIL shall not be responsible for any failure on the part of the bidder to follow the instructions.

Un-priced techno-commercial bid document should be placed in the private area earmarked in the C-folder.

Before the bid is uploaded, the bid comprising of all attached documents should be digitally signed using digital signatures issued by an acceptable Certifying Authority (CA) in accordance with the Indian IT Act 2000. If any modifications are required to be made to a document after attaching digital signatures, the digital signature shall again be attached to the modified documents before uploading the same.

The Authenticity of above digital signatures shall be verified through authorized CA after bid opening and in case the digital signature is not authorized / valid, the bid will be rejected. Bidder shall be responsible for ensuring the validity of digital signatures and proper usage of the same by responsible persons who can bind the bidder. Scanned copy of Power of Attorney of the signatory issued by the bidding company should be submitted on line along with other documents as per tender conditions.

**11) PRICES:** The bidder needs to enter the prices on line strictly as per the SOR format provided in our E-Tender. No new conditions shall be added by the bidder.

**12) SUBMISSION AND OPENING OF BIDS:**

The bid along with all the copies of documents should be submitted in e-form only through GAIL e-Procurement portal.

**13) LAST DATE FOR SUBMISSION OF BIDS:**

System does not allow for submission of bids beyond the deadline for bid submission. However, if the bidder for some reason intends to change the bid already entered, he may change/revise the same on or before the last date and time of submission. The system time displayed on GAIL's e-Procurement webpage shall be final and binding on the bidders for all purposes pertaining to various events of the subject tender and no other time shall be taken into cognizance.

Bidders are advised in their own interest to ensure that bids are uploaded in e-Procurement system well before the closing date and time of bid.

Bidders must use any computer having **Windows 2000 or Windows XP** versions or higher of Window operating system and an internet Web Browser version Internet explorer V6.0 or higher recommended.

**14) Proxy:** If any bidder is unable to access GAIL's e-Procurement site or Bid Documents, the bidder may please check whether they are using proxy to connect to internet or their PC is behind any firewall and may contact their system administrator to enable connectivity. Please note that Port 443 and Port 8443 should be enabled on proxy/firewall for HTTPS connectivity. Dial-up internet connectivity without Proxy settings is another option.



# **SECTION-II**

## **BIDDER'S ELIGIBILITY CRITERIA [BEC],**

## **METHODOLOGY FOR EVALUATION AND COMPARISON OF BIDS &**

## **INSTRUCTIONS TO BIDDERS [ITB]**



## SECTION-II

### 3. BIDDER'S ELIGIBILITY CRITERIA [BEC]

#### 3.1 **Technical Criteria** (as a single bidder):

- 3.1.1 Bidder should be 'a manufacturer' or 'an authorized distributor / dealer / Business Channel Partner/ System Integrator of Manufacturer' for CCTV Surveillance system (CCTV CAMERAs & SOFTWARE, etc).
- 3.1.2 The Bidder should have completed at least one single order with responsibility of covering supply, installation & commissioning of IP CCTV Surveillance system with Video Recording facility at server-end of value not less than Rs.33.09Lakhs (Rupees Thirty Three Lakhs Nine thousand only) in any of the previous 07 years prior to the final 'due date of submission of bid/bid closing date'.

#### 3.2 **BEC-Financial** (as a single bidder)

##### 3.2.1 **Not applicable.**

- 3.3 **Documents/Documentary Evidence required** to be provided (upload in e-portal of GAIL) by participating bidder along with the un-priced bid to qualify/ meet the requirements of BEC of above sl. no. 3.1:

BEC Clause no.	Description	Documents required along with Un-priced bid (part-1) for qualifying BEC
<b>3.1</b>	<b>Technical Experience Criteria - Document</b>	
3.1.1	For Manufacturer	If the bidder is having manufacturer status, then bidder to submit (upload in e-portal of GAIL) the copy of valid Company Registration Certificate / ISO Certificate or any other valid documents like Excise Registration Certificate, NSIC Certificate evidencing status of manufacturer of CCTV Surveillance system (CCTV CAMERAs & SOFTWARE).
3.1.1	For authorized distributor / dealer/Business Channel Partner/System Integrator	If the bidder is an authorized distributor/dealer/business channel partner/system integrator, then bidder to submit (upload in e-portal of GAIL) the copy of valid authorization certificate from OEM (original equipment manufacturer) for CCTV Surveillance system (CCTV CAMERAs & SOFTWARE).
3.1.2	Experience against execution/completion of order	Bidder must submit (upload in e-tender portal of GAIL), (i) Detailed copy of Purchase Order/Work Order and it's Completion Certificate indicating order no. & date, order value, executed value, actual date of completion etc issued by the end user.
In respect of 3.1.1 & 3.1.2	Documents to be authenticated/attested/certified and to be uploaded (submitted) in e-tender portal	Duly certified/attested by both Chartered Engineer and Notary Public with legible stamp along with un-price bid.



BEC Clause no.	Description	Documents required along with Un-priced bid (part-1) for qualifying BEC
	of GAIL	

**Note to above BEC (3.2):**

A job executed by a bidder for its own plant/projects cannot be considered as experience for the purpose of meeting the requirement of BEC of this tender. However, jobs executed for Subsidiary/Fellow subsidiary/Holding Company will be considered as experience for the purpose of meeting BEC subject to submission of tax paid invoice (s) duly certified by Statutory Auditor /Chartered Accountant of the bidder towards payments of statutory tax in support of the job executed for Subsidiary / Fellow subsidiary / Holding company. Such bidders to submit these documents in addition to the documents specified in the bidding document to meet BEC.

**4. Methodology for Evaluation & Comparison of Bids**

1. The bidder shall meet the technical criteria as stated above.
2. Evaluation of bids shall be done on lowest offer basis considering supply & services together (overall basis) including all the applicable taxes & duties. Bidder must quote for the total work as a whole but, as per SOR item wise of the tender document.
3. AMC rates quoted by the bidder shall not be considered for deciding lowest offer.
4. In case of non-submission of the requisite value of WO / PO along with its completion certificate mentioned above (having details of WO / PO No. / Date, Ordered & Executed Value etc.), their bid will be rejected.
5. In the absence of requisite documents, GAIL reserves the right to reject the bid without making any reference to the bidder.

**NOTE TO "BIDDER'S ELIGIBILITY CRITERIA [BEC]"**

**[FOR STRICT COMPLIANCE]**

- BIDDERS MUST FURNISH ALL RELEVANT CERTIFICATES/DOCUMENTS/INFORMATION IN SUPPORT OF THEIR CREDENTIALS TO THE ABOVE "ELIGIBILITY CRITERIA" ALONGWITH THE 'OFFER', FAILING WHICH THE 'OFFER' MAY BE REJECTED SUMMARILY.
- BIDDERS NOT MEETING ANY OF THE ABOVE-MENTIONED CRITERIA SHALL BE REJECTED WITHOUT ASSIGNING ANY REASON.

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SECTION-II

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## SECTION-II

### **Instructions To Bidders [ITB]**

#### **A. General**

##### **1. Scope of Bid**

- 1.1 The Employer, i.e. GAIL (India) Limited, having its registered office at 16, Bhikaiji Cama Place, R K Puram, New Delhi, hereinafter “the Employer”, wishes to receive bids for the Work as described in Scope of Works and Technical Details, Special Conditions of Contract, hereinafter referred to as “the Works.”
- 1.2 The successful bidder will be expected to complete the Works within the period stated in Special Conditions of Contract.
- 1.3 Throughout these bidding documents, the terms “bid” and “tender” and their derivatives (“bidder/ tenderer”, “bid/ tendered”, “bidding/ tendering”, etc.) are synonymous, and day means calendar day. Singular also means plural.

##### **2. Eligible Bidders**

- 2.1 This invitation for bid is open to any bidder.
- 2.2 A bidder shall not be affiliated with a firm or entity
- (i) that has provided consulting services related to the Works to the Employer during the preparatory stages of the Works or of the Project of which the Works form a part, or
- (ii) that has been hired (or is proposed to be hired) by the Employer as Engineer/ Consultant for the contract.
- 2.3 The bidder shall not be under a declaration of ineligibility by Employer for corrupt or fraudulent practices as defined in ITB.
- 2.4 The bidder is not put on holiday by GAIL or black listed by any Government Department / Public Sector.

##### **3. Bidder’s Eligibility Criteria:**

**As detailed in Bidder’s Eligibility Criteria of Section II of Tender Document.**

##### **4. Bids from Joint Venture / Consortium: NOT ACCEPTABLE.**

##### **5. One Bid per Bidder**

- 5.1 A firm shall submit only one bid in the same bidding process. A bidder who submits or participates in more than one bid will cause all the proposals in which the bidder has participated to be disqualified.

##### **6. Cost of Bidding**

- 6.1 The bidder shall bear all costs associated with the preparation and submission of the bid, and GAIL will in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

##### **7. Site Visit**

- 7.1 The bidder is advised to visit and examine the existing system and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for said Works. The costs of visiting the Site shall be at the bidder’s own expense.
- 7.2 The bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection.
- 7.3 The Bidder may conduct a Site visit any working day prior to submission of bid to assess the conditions of existing system.

#### **B. Bidding/Tender Document**

##### **8. Content of Bidding/Tender Document**

- 8.1 The Bidding Documents/Tender Documents are those stated below and should be read in conjunction with any addenda issued in accordance with ITB Clause 10.
- Section -I: Invitation for Bids (IFB), Instructions for Participation in e-procurement





Section- II: Bidder's Eligibility Criteria (BEC), Methodology for Evaluation and Comparison of bids and Instructions To Bidders (ITB)

Section -III: General Conditions of Contract (GCC)

Section- IV: Special Conditions of Contract (SCC)

Section - V: Scope of Works & Technical Details

Section-VI: Drawings- Not Applicable

Section -VII: Health, Safety and Environment (HSE)

Section -VIII: Other Forms and Formats

Section- IX: Schedule of Rates (SOR)

- 8.2 The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. The Invitation for Bids (IFB) together with all its attachments thereto, shall be considered to be read, understood and accepted by the bidders. **Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at bidder's risk and may result in the rejection of his bid.**

#### 9. Clarification of Bidding/Tender Document

- 9.1 A prospective bidder requiring any clarification of the Bidding Documents may notify GAIL in writing or by fax or e-mail at GAIL's mailing address indicated in the Invitation for Bids. GAIL will respond in writing to any request for clarification of the Bidding documents which it receives not later than 10 days prior to the deadline for the submission of bids prescribed by GAIL. Written copies of GAIL's response (including an explanation of the query but without identifying the source of the query) will be uploaded on e-tendering website. Any Clarification or information required by the bidder but same not received by the Purchaser, ten days prior to the bid due date, the same is liable to be considered as no clarification/information required.

#### 10. Amendment of Bidding/Tender Document

- 10.1 At any time prior to the 'Bid Due Date', GAIL may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Bidding Documents.
- 10.2 The amendment(s) will be notified in writing or by fax or e-mail to all prospective Bidders, at the address, fax no(s), e-mail ID(s) provided by the Bidder, who have received the Bidding Documents and will be binding on them.
- 10.3 In order to afford prospective Bidders, reasonable time in which to take the amendment(s) into account in preparing their Bids, GAIL may, at its discretion, extend the 'Bid Due Date'

### C. Preparation of Bids

#### 11. Language of Bid

- 11.1 The bid prepared by the bidder and all correspondence/drawings and documents relating to the bid exchanged by bidder and GAIL shall be written in English language. Any printed literature furnished by the bidder may be written in another language so long as accompanied by an ENGLISH translation duly authenticated by the chamber of commerce of Bidders country, in which case, for the purpose of interpretation of the bid, the ENGLISH translation shall govern. Metric measurement system shall be applied.

#### 12. Documents Comprising the Bid

- 12.1 The bid prepared by the bidder shall comprise the following components:

##### 12.2 Part-I: Techno-commercial /Un-priced Bid - shall contain the following:

- Bidder's General Information as per Format F-1 with F-1A (Details of PF Registration) and F-1B (Details of PAN and Service Tax)
- A Bid Form as per Format F-2
- Copies of documents [List of Enclosures] as required in Format F-3 with F-3A (Annual Turn Over of Bidder)
- A confirmation that prices in requisite formats, strictly complying with the requirement, with prices blanked out (similar to the Priced Bid uploaded in E-tendering portal with prices blank out) have been uploaded in e-tender portal of GAIL as per Format F-15.
- Copy of Bid security in accordance with sl no. IV of IFB & Clause 16 of ITB to be furnished either in the form of Cashier's / Banker's Cheque / Bank Draft in favour of "GAIL (India) Limited" payable at State Bank of India, Vadodara / Bank Guarantee as per Format F-4.
- Letter of authority in favour of any one or two of bidder's executives having authority to attend



- vii) the un-priced and price bid opening on specified dates and venue as per Format F-5.
- viii) Confirmation of 'No Deviation' as per Format F-6 with Format F-6A (Declaration)
- ix) Certificate as per Format F-7
- x) Performance Bank Guarantee [CPBG] as per Format F-8
- xi) Any other information/details required as per bid document.
- xii) EMD of requisite value along with under taking that content of the tender document have not been altered or modified, in case tender document is down loaded from website/e-tender portal. In case same is not submitted in e-tender portal, bid shall not be considered for further evaluation as per Format F-15 mentioned above.
- xiii) Form for Terms & Conditions as per Format F -9
- xiv) Format for Regret Letter as per Format F-10
- xv) Indian/*Domestic* bidder shall submit e-banking details as per Format F-12
- xvi) Confirmation for applicability of "Micro, Small and Medium Enterprises Development Act 2006" ('MSMED') as per Format F-11 and F-11A respectively.
- xvii) Power of Attorney/Authority letter from competent official in favour of person(s) signing the bid that such person (s) is/are authorized to sign the bid on behalf of the bidder and any consequence resulting due to such signing shall be binding on the bidder.
- xviii) Offer/Application Format F-13
- xviii) The performance of bidder to whom the award is placed shall be evaluated right from submission of bid till the final completion [Attachment-2 \(performance rating data sheet\)](#).

**Note:** All pages of this tender document to be signed and sealed by authorized person of the bidder/to be signed digitally and also to be uploaded in e-tender portal along with Techno-Commercial/Un-Priced Bid [to be uploaded in folder TENDER DOCS].

The PART-I "Techno-commercial /Un-priced Bid" comprising all the above documents along with copy of EMD/Bid Bond must be uploaded online strictly in the private area earmarked (Tender Document) in the C-folder of e-Tender Portal.

#### 12.3 Part-II: Price Schedule / Price Bid

The Prices must be submitted online strictly as per the Price Schedule in respective folder of e-tender portal. Price Schedule shall contain no conditions what so ever. In case of any correction, the bidders shall put his signature and his stamp. GAIL shall not be responsible for any failure on the part of the bidder to follow the instructions.

#### 12.4 PART-III: EMD / BID SECURITY

Bidders are required to submit the EMD/ BID BOND/BID SECURITY in original in the prescribed format and in the manner prescribed in the tender at the time of bid submission and to be forwarded in sealed envelope to HOD (C&P), GAIL (India) Limited, Manisha Circle, Old Padra Road Vadodara, Gujarat, Pin: 390015 Tel: 91 265 2330888 mentioning Tender Ref No. & Due Date on top of envelope, in addition to uploading the copy of the same on line strictly in respective folder of e-tendering portal [EMD/Bid Security in shape of DD/Banker's Cheque must be in favour of GAIL (India) Ltd payable at Vadodara only].

However, if the bidder is unable to submit EMD in original on the due date, he must upload a scanned copy of the EMD while submitting the bid electronically, provided the original EMD, copy of which has been uploaded, is received within 7 days from the date of unpriced bid opening, failing which the bid will be rejected irrespective of their status in tender and notwithstanding the fact that a copy of EMD was earlier uploaded by the bidder.

Part-III- shall also to contain the following documents in physical form with the SCANNED copy of same uploaded in e-bid.

- (1) Original EMD/Bid Security
- (2) Original Power of Attorney

#### 13. Bid Prices

- 13.1 Unless stated otherwise in the Bidding Documents, the Contract shall be for **Overall basis** as described in Bidding Document, based on the unit rates and prices submitted by the Bidder and accepted by the EMPLOYER.



- 13.2 Prices must be filled in format for 'Schedule of Rates' enclosed as part of Bidding Document only. If quoted in separate typed sheets and any variation in item description, unit or quantity is noticed; the bid is liable to be rejected.
- 13.3 Bidder shall quote for all the items of Schedule of Rates after careful analysis of cost involved for the performance of the completed item considering all parts of the Bidding Document.
- 13.4 Prices quoted by the bidder, shall remain firm and fixed and valid until completion of the Contract and will not be subject to variation on any account for the items quoted by bidder.
- 13.5 Bidder shall quote the prices both in figures as well as in words. There should not be any discrepancies between the price indicated in figures and the price indicated in words.
- 13.6 Alternative bids shall not be considered.

#### 14. Taxes, Duties & Freight

##### 14.1 Service Tax

- 14.1.1 **Bidder shall quote their rate/prices inclusive of all taxes and duties excluding service tax. In other words, the amount of service tax shall not be included by the bidders in their quoted price/rate. The amount of Service Tax is payable against the invoice raised by the bidder as per service tax rules.**

In case of any bidder is exempted from service tax on the ground of less turnover under service tax law [the bidder is required to mention and specify clearly in the form of "Undertaking with any supporting legal documentary evidence" for exemption of service tax with technical part of the bid], their bid will be evaluated without service tax and in case the service tax become applicable after bid due date or within the contract period, if awarded, due to variation in bidder's turnover, the present prevailing applicable service tax (i.e. 12% of basic order value + education cess 2% + H.E. cess 1% = 12.36%) shall be deemed to be inclusive in the quoted amount and shall not be paid extra. However, in case the service tax rate increases by statutory authority/Govt. during the currency of contract/contract period, the difference of the rates (i.e. Revised increased rate – Prevailing rate on bid due date) will be paid extra on submission of Cenvatable Invoice subject to submission of documentary evidence/notification/rules of statutory authority towards change of service tax. The bidder shall indicate in its bid the Service Tax Registration Number with a copy of Service Registration Certificate and in case the Service Tax registration number is not available, the bidder will give confirmation/undertaking for obtaining registration with a copy of application for registration duly acknowledged by the statutory authority. The valid registration copy must be submitted prior to submission/raising of first bill/invoice in case of award.

Bidder (service provider) is liable to pay Service Tax for the work / services rendered to GAIL (as per service tax law), shall specifically mention the Service Tax Registration No. & Classification of service in their Invoice(s). Further, the amount and rate of the Service tax shall be separately, distinctly (as per Service Tax Law) specify in the Invoice(s). At present Rule 4A of service tax Rules provides the relevant provisions for issuance of proper invoice by the service providers. In case any other particulars are required to be mentioned under Service Tax Law and / or as per CENVAT Credit Rules, on the date of providing of Services to GAIL, the same shall also be mentioned on the Invoice.

Based on above, GAIL shall incorporate the SOR Format in tender document for quoting of prices by the bidder accordingly.

When tenders would be divided in two parts, i.e supply of materials and services, Service Tax will be applicable on service portion only at full rate currently @12.36% and service tax will not be applicable on value of material supplied by the vendors as well as on the free issue Material [FIM] issued by GAIL.

Please note that the responsibility of payment of 'Service Tax' lies with the 'Service Provider' only.

In case 'Service Tax' is applicable for the Tendered Work, Contractor shall claim the 'Service Tax' indicating rate of abatement / deduction allowed as per "Service Tax Act" in the '1st Invoice' itself. For payment of service tax, Contractor providing taxable service shall issue an 'Invoice', or a 'Bill' and onward bills which is signed, serially numbered, and shall also specify & contain the following:

- [a] Name, Address and Registration No. of such Person / Contractor
- [b] Name and Address of the Person / Contractor receiving Taxable Service
- [c] Description, Classification and Value of Taxable Service provided
- [d] Service Tax Amount

Payments to 'Service Provider' for claiming 'Service Tax' amount will be made provided above formalities are fulfilled. The above details are required to enable GAIL to avail CENVAT credit for the service tax payments. It shall be the responsibility of the bidder/contractor to pass on the CENVAT Credit benefit to GAIL, wherever applicable. In case GAIL loses any benefit / amount of CENVAT Credit, due to any fault of the bidder (i.e. non submission of proper



invoice timely), which could otherwise have been availed by GAIL as per rules, the same shall be recoverable from the contractor / not paid to the contractor. Owner/GAIL will reimburse the service tax to the bidder/contractor at actuals against submission of cenvatable invoices issued in accordance with service tax Rules to enable Owner/GAIL to claim CENVAT credit of service tax paid. In case of any variation in the executed quantities, the amount on which the Service Tax is applicable shall be modified in same proportion.

In case of any statutory variation in 'Service Tax' during the currency of the Contract, the Contractor shall submit a copy of the 'Government Notification' to evidence the rate as applicable on the date of submission of Bid and on the date of revision. Claim for payment of 'Service Tax' / statutory variation in 'Service Tax' to be raised within 'two [02] months' from the date of issue of 'Government Notification' for payment of differential 'Service Tax', otherwise claim in respect of above shall not be entertained for payment of 'arrears'.

**14.1.2 The benefit of CENVAT Credit of Service Tax quoted shall be considered for evaluation of bids (if applicable).**

**14.1.3 Punitive Action for Non-Deposition of Service Tax:**

Penal In case it is brought to the notice of GAIL that the Vendor/bidder have not deposited the service tax collected from GAIL to the government exchequer, **penal action** would be initiated by GAIL (if required).

**14.2 Statutory Variation in Taxes & Duties:**

Bidder shall quote prices inclusive of excise duty & sales tax applicable on finished product. Any statutory variations in excise duty & sales tax on finished product during the Contractual Completion Period, shall be to the Employer's account for which the bidder will furnish documentary evidence(s) in support of their claims to GAIL. However, any increase in the rate of these taxes & duties [E.D. and S.T.] beyond the Contractual Completion Period shall be to bidder's account and any decrease shall be passed on to GAIL. The bidder shall be responsible for full and exclusive liability at his own cost for the payment of any and all taxes, duties and levies etc that are payable to any government, local or statutory authority in any country including India as are now in force or as hereafter imposed, increased or modified and as are payable by bidder, his agents, sub-CONTRACTOR's and their employees etc., for performance and work under this contract. The bidder shall be deemed to have been fully informed with respect to all such liabilities and considered the same in his bid and the contract shall not be varied in any way on this account.

**14.3 Sales Tax/Turnover Tax:**

**14.3.1 Pursuant to above Clause, Sales Tax will be payable on submission of documentary evidence at actual subject to maximum of the rates quoted by the BIDDER if there is no statutory variation.**

In case of statutory variation in Sales Tax, the BIDDER will submit the Government Notification to evidence the rate as applicable on the date of submission of the bid and on the date of supply as actually paid by the BIDDER. Difference between two will be payable by Employer subject to maximum of variation between the rates quoted by the bidder and the rates as applicable on the date of supply as actually paid by the BIDDER i.e. if the quoted rates are found erroneous then the base rates for calculation of statutory variations for the purpose of reimbursement of Sales Tax shall take into account either the rates actually prevalent on the due date of submission of bid or the erroneous rates, indicated by the Bidders whichever is beneficial to Employer.

**14.3.2 Bidder should quote all inclusive prices including the liability of Sales Tax/Turnover Tax whether on the works contract as a whole or in respect of bought out components used by the Contractor in execution of the Contract. Employer shall not be responsible for any such liability of the Contractor in respect of this Contract.**

**14.3.3 The Purchaser will not issue any concessional form for CST / LST / VAT. Bidders are required to provide CENVATABLE / VATABLE invoices with respect to Excise Duty, VAT/CST/LST and Service Tax in all cases which shall be raised as per the details provided in detailed Order / Letter of Acceptance. It shall be the responsibility of the bidder/contractor to pass on the CENVAT Credit benefit to GAIL, wherever applicable with respect to Excise Duty, VAT/CST/LST and Service Tax. In case GAIL loses any benefit / amount of CENVAT Credit, due to any fault of the bidder (i.e. non submission of proper invoice timely), which could otherwise have been availed by GAIL as per rules, the same shall be recoverable from the contractor or Vendor / not paid to the Contractor/Vendor. In case the certificate/documents are not provided for aforesaid amount of Excise Duty and Service Tax, the shortfall amount will be recovered from the bidder's Invoice. Bidder to quote their rates/prices considering Excise Duty and CST / LST / VAT (rates and amount) without concessional form for CST / LST / VAT which will be payable on the finished goods and service tax including cess on transportation charges, if this contract is awarded.**

**14.3.4 Freight (inclusive of loading, unloading and service tax) for delivery of the goods to its final destination shall be quoted by the bidders. In case bidder is not indicating freight charges, or mentions "inclusive /0.00 / Nil / ---" in the column for freight charges of SOR. Accordingly, it will be considered that freight charges are inclusive in bidder's quoted prices up to GAIL site. Bidders to note that the materials if ordered against this Bidding Document are required**



to be dispatched on door delivery basis through a **reliable bank approved registered Common Carrier [Road Transport Company]** unless the transport company is named by the Owner.

Also, entry tax / Octroi shall be reimbursed by GAIL on submission of documentary evidence / challans etc. Also GAIL reserves the right to transport the material with their transporter.

**14.4 Tax Deducted at Source [TDS]**

- i) GAIL will release the payment to the bidder after effecting deductions (if any) as per applicable Government of India law in force.
- ii) GAIL will release payments to the bidder after offsetting all dues payable to GAIL by the bidder under the Contract (detailed Order / letter of award).

**14.5 Income Tax**

'Income Tax' deductions shall be made from all payments to the bidder as per rules and regulations in force in accordance with the "Income Tax Act" prevailing from time to time. However, bidder shall be entitled to get the "TDS Certificate" for the amount so deducted in the format prescribed by the 'Income Tax Department'.

**15. Bid Validity**

- 15.1 Bids shall be kept valid for 3 months from the final bid due date. A bid valid for a shorter period may be rejected by GAIL as non-responsive.
- 15.2 In exceptional circumstances, prior to expiry of the original bid validity period, the Employer may request that the bidders extend the period of validity for a specified additional period. The request and the responses thereto shall be made in writing or by fax / e-mail. A bidder may refuse the request without forfeiture of his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid, but will be required to extend the validity of its bid security for the period of the extension and in accordance with Clause 16 in all respects.

**16. Bid Security**

- 16.1 Pursuant to Clause-12, the bidder shall furnish, as part of his bid, bid security in the amount specified in the Invitation for Bids (IFB).
- 16.2 The bid security is required to protect GAIL against the risk of bidder's conduct which would warrant the security's forfeiture, pursuant to Clause-16.7
- 16.3 The bid security in Indian Rupees for bidders quoting in Indian Rupees shall be in the form of a Bank Draft/ Banker's Cheque/ Bank Guarantee or Letter of Credit. [EMD/Bid Security in shape of DD/Banker's Cheque must be in favour of GAIL (India) Ltd payable at Vadodara only].

GAIL shall not be liable to pay any bank charges, commission or interest on the amount of Bid Security.

In case Bid Security is in the form of a Bank Guarantee or irrevocable Letter of Credit, the same shall be from any Indian scheduled bank or a branch of an International bank situated in India and registered with Reserve bank of India as scheduled foreign bank. However, in case of Bank Guarantee from banks other than the Nationalised Indian banks, the bank must be commercial bank having net worth in excess of Rs 100 crores and a declaration to this effect should be made by such commercial bank either in the Bank Guarantee itself or separately on its letterhead. Bid Security shall be valid for 2 months beyond bid validity date.

- 16.4 Any bid not secured in accordance with Clause-16.1 and 16.3 may be rejected by GAIL as non-responsive.
- 16.5 Unsuccessful bidder's bid security will be discharged/returned as promptly as possible, but not later than 30 days after the expiration of the period of bid validity prescribed by GAIL, pursuant to ITB Clause-15.
- 16.6 The successful bidder's bid security will be discharged upon the bidder's accepting the award & signing the Agreement, pursuant to Clause-39 and furnishing the Contract Performance Security pursuant to Clause-40.
- 16.7 The bid security may be forfeited:
  - a) If a bidder withdraws his bid during the period of bid validity.
  - b) in the case of a successful bidder, if the bidder fails:
    - i) to accept the Notification of Award/Fax of Intent (FOI) or
    - ii) to furnish Contract Performance Security in accordance with Clause-40.
    - iii) to accept arithmetical corrections.
- 16.8 Bid Security should be in favour of GAIL (India) Limited and addressed to GAIL. In case Bid Security is in the form of Bank Guarantee or Letter of Credit, the same must indicate the Bid Document and the work





- for which the bidder is quoting. This is essential to have proper co-relation at a later date. The Bid Security shall be in the form provided at F-4 (Bank Guarantee).
- 16.9 For Indian Bidders : Central Public Sector Undertakings and firms registered with NSIC are exempted from furnishing bid security provided they are registered for the quoted items upto the monetary limit they intend to quote and subject to their enclosing with their bid a copy of the latest and current Registration Certificate.
- 17. Pre-Bid Meeting/ Pre Tendering Conference:** [Date & Time: As per "RFQ"; Venue: Conference Hall, GAIL, Vadodara]
- 17.1 The Bidder(s) or his designated representative are invited to attend a "Pre-tendering Conference [PTC]" which will be held at GAIL (India) Limited [Manisha Circle, Old Padra Road, Vadodara (Gujarat), PIN-390015]
- 17.2 Purpose of the meeting will be to clarify issues & to answer questions on any matter that may be raised at that stage.
- 17.3 Text of the questions raised and the responses given, together with any responses prepared after the meeting, will be transmitted without delay [without identifying the sources of the question] to all the prospective Bidders, and shall also be uploaded on GAIL website against the Tender. Any modification of the Bidding Documents listed in "ITB: Clause-7.1", that may become necessary as a result of the 'PTC' shall be made by the Employer exclusively through the issue of an Addendum / Corrigendum pursuant to "ITB: Clause-9", and not through the minutes of the 'PTC'.
- 17.4 Non-attendance of the 'PTC' will not be a cause for disqualification of a Bidder.
- 18. Format and Signing of Bid**
- 18.1 The bidder shall prepare the document comprising the bid as per clause 12.0 of ITB.
- 18.2 The bid shall be typed or written in indelible ink (in the case of copies, photocopies are also acceptable) and shall be signed by the person or persons duly authorized to sign on behalf of the bidder. The name and position held by each person signing, must be typed or printed below the signature. All pages of the bid, except any catalogues/ literatures shall be signed.
- 18.3 The bid shall contain no alterations, omissions or additions, unless such corrections are initialed by the person or persons signing the bid.
- 19 Zero Deviation/ Rejection Criteria**
- 19.1 DEVIATION TO TERMS AND CONDITIONS OF TENDER DOCUMENT MAY LEAD TO REJECTION OF OFFER.**
- PLEASE NOTE THIS TENDER IS ON "ZERO DEVIATION" BASIS. GAIL WILL ACCEPT OFFERS BASED ON TERMS AND CONDITIONS OF TENDER DOCUMENT ONLY.**
- BIDDER MAY NOTE GAIL WILL DETERMINE THE SUBSTANTIAL RESPONSIVENESS OF EACH BID TO THE BIDDING DOCUMENTS. FOR PURPOSE OF THIS, A SUBSTANTIALLY RESPONSIVE BID IS ONE WHICH CONFORMS TO ALL TERMS AND CONDITIONS OF THE BIDDING DOCUMENTS WITHOUT DEVIATIONS OR RESERVATIONS. GAIL'S DETERMINATION OF A BID'S RESPONSIVENESS IS BASED ON THE CONTENT OF THE BID ITSELF WITHOUT RECOURSE TO EXTRINSIC EVIDENCE.**
- A BID DETERMINED AS SUBSTANTIALLY NON-RESPONSIVE WILL BE REJECTED BY GAIL AND MAY NOT SUBSEQUENTLY BE MADE RESPONSIVE BY BIDDER BY CORRECTION OF THE NON-CONFORMITY THROUGH QUERIES/ CLARIFICATIONS OR ANY OTHER MEANS.**
- FOR SEEKING CLARIFICATION, TECHNICAL AND COMMERCIAL QUERIES (TQ/CQ) MAY BE ISSUED ONCE ONLY TO BIDDERS WHOSE BID ARE PRIMA-FACIE RESPONSIVE. SUCH CLARIFICATIONS AND THE RESPONSE SHALL BE IN WRITING AND NO CHANGE IN THE PRICE OR SUBSTANCE OF BID SHALL BE PERMITTED. THE SUBSTANCE OF THE BID INCLUDES BUT NOT LIMITED TO PRICE, DELIVERY/COMPLETION, SCOPE, SPECIFICATION ETC. THUS THE BIDDER IS NOT PERMITTED TO SUBMIT NEW DOCUMENTS, NEW INFORMATION, WITHDRAWAL OF DEVIATION ETC. WHICH MODIFIES THE ORIGINAL SUBMISSION.**
- 19.2. REJECTION CRITERIA:**



**DEVIATION TO THE FOLLOWING CLAUSES OF RFQ SHALL LEAD TO REJECTION OF BID:**

- (I) **FIRM PRICE**
- (II) **EMD/ BID BOND**
- (III) **SCOPE OF WORK/ SPECIFICATIONS**
- (IV) **PRICE SCHEDULE/ PRICE BASIS**
- (V) **DELIVERY/ COMPLETION SCHEDULE**
- (VI) **PERIOD OF VALIDITY OF BID**
- (VII) **PRICE REDUCTION SCHEDULE**
- (VIII) **PERFORMANCE BANK GUARANTEE/ SECURITY DEPOSIT**
- (IX) **WARRANTY/GUARANTEE/DEFECT LIABILITY PERIOD**
- (X) **ARBITRATION/ JURISDICTION OF COURT/**
- (XI) **FORCE MAJEURE**
- (XII) **APPLICABLE LAW**
- (XIII) **DOCUMENTARY EVIDENCE TO SUBSTANTIATE BIDDER'S ELIGIBILITY CRITERIA**
- (XIV) **ANY OTHER CONDITION SPECIFICALLY MENTIONED IN THE TENDER DOCUMENTS ELSEWHERE THAT NON-COMPLIANCE OF THE CLAUSE LEAD TO REJECTION OF BID**

**BIDDER IS REQUESTED TO FILL FORMAT F-6 AND SUBMIT ALONG WITH OFFER.**

**FURTHER, IT IS ONCE AGAIN REMINDED NOT TO NOT MENTION ANY CONDITION IN OFFER WHICH IS CONTRADICTORY TO TERMS AND CONDITIONS OF TENDER DOCUMENT.**

**20. E-Payment**

- 20.1 GAIL (India) Limited has initiated payments to Suppliers and Contractors electronically, and to facilitate the payments electronically, the Bidder should have an account with any nationalized bank with e-banking facility so that the payment through 'e-banking' be made to the Bidder. Further, the Bidder should give the details of his bank account in any one of the above banks to facilitate payment through 'e-banking' (As per Format F-12 enclosed under Section-VIII of this tender document). Bidders are requested to strictly take into note that 'payments' shall not be released in any other form other than 'e-banking'.

**21. Agent/ Consultant/ Representative/ Retainer/ Associate- Not Applicable**

- 21.1 NOT APPLICABLE

**D. Submission of Bids**

**22. Sealing and Marking of Bids**

- 22.1 Bids shall be submitted through e-tender mode in the E-TENDER PORTAL in the manner specified elsewhere in tender document. No Manual/ Hard Copy (Original) offer shall be acceptable. EMD/ Bid Bond to be submitted in original in physical form in addition to uploading the copies of the same in the e-tender portal.

However, if the bidder is unable to submit EMD in original on the due date, he may upload a scanned copy of the EMD while submitting the bid electronically, provided the original EMD, copy of which has been uploaded, is received within 7 days from the date of un-priced bid opening, failing which the bid will be rejected irrespective of their status/ranking in tender and notwithstanding the fact that a copy of EMD was earlier uploaded by the bidder.

**23. Deadline for Submission of Bids**

- 23.1 Bids must be received through e-tender mode not later than the date and time specified in Invitation for bid.
- 23.2 GAIL in exceptional circumstances and at its discretion, may extend the deadline for submission of bids, in which case all rights and obligations of GAIL and the bidders, previously subject to the original deadline will thereafter be subject to the deadline as extended. Notice for extension of bid submission date will be uploaded on e-tendering website.



**24. Late Bids: Not Acceptable**

**25. Modification and Withdrawal of Bids**

- 25.1 The bidder may modify or withdraw his bid after the bid submission, but before the due date of submission provided, the same must be uploaded with Digital Signature through e-tender mode.
- 25.2 No bid shall be modified after the deadline for submission of bids.
- 25.3 No bid shall be allowed to be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder on the Bid Form. Withdrawal of a bid during this interval shall result in the bidder's forfeiture of his bid security.

**E. Bid Opening and Evaluation**

**26. Bid Opening**

- 26.1 Unpriced Bid Opening:  
GAIL will open bids, including withdrawals and modifications made pursuant to Clause 25, in the presence of bidders' designated representatives who choose to attend, at date, time and location stipulated in the IFB. The bidders' representatives, who are present shall sign a bid opening register evidencing their attendance.
- 26.2 Priced Bid Opening:  
GAIL will open the price bids of those bidders who meet the qualification requirement and whose bids is determined to be technically and commercially responsive. Bidders selected for opening of their price bids shall be informed about the date of price bid opening. Bidders may depute their authorized representative to attend the opening. The bidders' representatives, who are present shall sign a register evidencing their attendance.

**27. Process to be Confidential**

- 27.1 Information relating to the examination, clarification, evaluation, and comparison of bids, and recommendations for the award of a contract, shall not be disclosed to bidders or any other persons officially concerned with such process. Any effort by a bidder to influence the Employer's processing of bids or award decisions may result in the rejection of the bidder's bid.

**28. Contacting the Employer**

- 28.1 From the time of bid opening to the time of Contract award, if any bidder wishes to contact the Employer on any matter related to the bid, it should do so in writing.
- 28.2 Any effort by the bidder to influence the Employer in the Employer's bid evaluation, bid comparison, or Contract award decisions may result in the rejection of the bidder's bid.

**29. Examination of bids and Determination of Responsiveness**

- 29.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid
- (a) meets the Bid Evaluation Criteria;
  - (b) has been properly signed;
  - (c) is accompanied by the required securities;
  - (d) is substantially responsive to the requirements of the bidding documents; and
  - (e) provides any clarification and/or substantiation that the Employer may require to determine responsiveness pursuant to Sub-Clause 29.2.
- 29.2 A substantially responsive bid is one which conforms to all the terms, conditions and specifications of the bidding documents without material deviations or reservations. A material deviation or reservation is one
- (a) that affects in any substantial way the scope, quality, or performance of the Works;
  - (b) that limits in any substantial way, inconsistent with the bidding documents, the Employer's rights or the bidder's obligations under the contract; or
  - (c) whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.
- 29.3 If a bid is not substantially responsive, it will be rejected by the Employer and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

**30. Correction of Errors**

- 30.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:





- (a) when there is a difference between the rates in figures and words, the rate which corresponds to the amount worked out by the contractor/tenderer (by multiplying the quantity and rate) shall be taken as correct.
- (b) when the rate quoted by the contractor/tenderer in figures and words tallies but the amount is incorrect, the rate quoted by the contractor /tenderer shall be taken as correct and not the amount and the amount corrected.
- (c) when it is not possible to ascertain the correct rate, in the manner prescribed above, the rate as quoted in words shall be adopted and the amount worked out for comparison purposes.
- (d) In case it is observed that any bidder has not quoted for any item in the Schedule of Rates (such unquoted item not being in large numbers), the quoted price for the purpose of evaluation shall be considered as the maximum rate quoted by the remaining bidder for such items.

If after evaluation, such bidder is found to be the lowest evaluated bidder, the rates for the missing item shall be considered as included in the quoted price. If the estimated price impact of the unquoted items is more than 10% of the bidder's quoted price, the above provision shall not be applicable and such bid shall be rejected.

- 30.2 The amount stated in the bid will be adjusted by the Employer in accordance with the above procedure for the correction of errors and shall be considered as binding upon the bidder.

**31. Conversion to Single Currency for Comparison of Bids- Not Applicable**

**32. Evaluation and Comparison of Bids**

1. The bidder shall meet the technical as stated above.
2. Evaluation of bids shall be done on lowest offer basis considering supply & services together (overall basis) including all the applicable taxes & duties. Bidder must quote for the total work as a whole but, as per SOR item wise of the tender document.
3. **AMC rates quoted by the bidder shall not be considered for deciding lowest offer.**
4. In case of non-submission of the requisite value of WO / PO along with its completion certificate mentioned above (having details of WO / PO No. / Date, Ordered & Executed Value etc.), their bid will be rejected.
5. In the absence of requisite documents, GAIL reserves the right to reject the bid without making any reference to the bidder.

Transit Insurance is in the scope of GAIL. Any uncalled for lump sum/percentage or adhoc reduction / increase in prices, offered by the bidder after opening of the prices, shall not be considered.

**32.2 CENVAT CREDIT:**

Bidder shall provide required documents for availing CENVAT Credit applicable on Excise Duty and Service Tax as per prevailing rules and as has been mentioned by the bidder in their bids. For availing CENVAT credit on excise duty by GAIL, bidder to submit Excise Invoice at the time of supply. Likewise availing CENVAT credit on Service Tax by GAIL, bidder to submit Service Tax Invoice at the time of Billing. In case the certificate/ documents are not provided for aforesaid amount of Excise Duty & Service tax, the short fall amount will be recovered from the bidder.

- 32.3 Participative bidders must indicate the effect of CENVAT Credit amount in SOR of tender document.

**33. Purchase Preference for Domestic Bidders:** Shall be allowed as per Government Guideline in Vogue and PPP [Public Procurement Policy] for Micro and Small Enterprises mentioned in Clause No. 45 below.

**34. Price Preference: NOT APPLICABLE**

**35. Compensation for extended stay: NOT APPLICABLE**

**F. Award of Contract**

**36. Award**



- 36.1 Subject to Clause 29, GAIL will award the contract to the successful bidder whose bid has been determined to be substantially responsive, as the lowest BIDDER and to be qualified to satisfactorily perform the contract.
- 37. Employer's Right to Accept Any Bid and to Reject Any or All Bids**
- 37.1 GAIL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the ground for GAIL'S ACTION.
- 38. Notification of Award**
38. Prior to the expiration period of bid validity GAIL will notify the successful bidder in writing by fax, cable or telex to be confirmed in writing, that his bid has been accepted. The notification of award / Fax of Intent will constitute the formation of the Contract.
- 38.1 The notification of award will constitute the formation of a Contract, until the Contract has been effected pursuant to signing of Contract as per Clause 39 of ITB.  
Upon the successful bidder's furnishing of contract performance security, pursuant to Clause 40 of ITB, GAIL will promptly notify each unsuccessful bidder and will discharge his bid security, pursuant to Clause 16 of ITB.
- 39 Acceptance of Contract**
- 39.1 GAIL will award the Contract to the successful bidder, who, within 15 days of receipt of the same, shall sign and return the acceptance copy to GAIL.
- 40. Contract Cum Equipment Performance Bank Guarantee / Security Deposit**
- 40.1 Within 15 days of the receipt of the notification of award / Fax of Intent from GAIL, the successful bidder shall furnish the contract cum equipment performance bank guarantee / security deposit in accordance with Article 2 of General Conditions of The Contract in the form provided in the bidding documents. The Contract cum Equipment Performance Bank Guarantee/ Security Deposit shall be in the form of either Banker's Cheque or Demand Draft or Bank Guarantee or Letter of Credit and shall be in the currency of the Contract. [CPBG in shape of DD/Banker's Cheque must be in favour of GAIL (India) Ltd payable at Vadodara only].
- 40.2 The contract cum equipment performance Bank Guarantee/Security Deposit shall be for an amount equal to 10% of the value of the contract towards faithful performance of the contractual obligations and performance of equipment. This Bank Guarantee/DD/Letter of Credit shall be from any Indian scheduled bank or a branch of an International bank situated in India and registered with Reserve bank of India as scheduled foreign bank. However, in case of bank guarantees from banks other than the Nationalized Indian banks, the bank must be a commercial bank having net worth in excess of Rs 100Crores and a declaration to this effect should be made by such commercial bank either in the Bank Guarantee itself or separately on its letterhead. This bank guarantee shall be valid for a period as stated in Article-2 of General Conditions of The Contract.
- 40.3 Failure of the successful bidder to comply with the requirements of this article shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event GAIL may award the order to the next lowest evaluated bidder or call for new bids.
- 41. Corrupt or Fraudulent Practices**
- 41.1 GAIL requires that bidders/bidders observe the highest standard of ethics for participation in bidding and also during the execution of contracts as under:
- (a) *"Bidder is required to furnish the complete and correct information /documents required for evaluation of their bids. If the information /documents forming basis of evaluation is found to be false/forged, the same shall be considered adequate ground for rejection of the bids and forfeiture of Earnest Money Deposit.*
- (b) *Incase, the information /document furnished by the vendor /contractor forming basis of evaluation of his bid is found to be false/forged after the award of the contract, GAIL shall have full right to terminate the contract and get the remaining job executed at the risk & cost of such vendor /contractor without any prejudice to other rights available to GAIL under the contract such as forfeiture of CPBG/Security Deposit, withholding of payment, etc.*



- (c) In case this issue of submission of false document comes to the notice after execution of work, GAIL shall have full right to forfeit any amount due to the vendor/contractor along with forfeiture of CPBG/Security Deposit furnished by the vendor/contractor.
- (d) Further, such bidder /vendor/contractor shall be put on Blacklist/Holiday list of GAIL debarring them from future business of GAIL”.

42. **Dispute Resolution Clause:**

42.1 **GENERAL**

Any dispute(s)/difference(s)/issue(s) of any kind whatsoever between /amongst the Parties arising under/out of/in connection with this Agreement shall be settled in accordance with the provisions of this Article.

42.2 **INVITATION FOR CONCILIATION**

42.2.1 In case of any dispute(s)/difference(s)/issue(s), as mentioned above, a Party shall notify the other Party (ies) in writing about such a dispute(s) /difference(s)/issue(s) between/amongst the Parties and that such a Party wishes to refer the dispute(s)/difference(s)/issue(s) to Conciliation. Such Invitation for Conciliation shall contain sufficient information as to the dispute(s)/difference(s)/issue(s) to enable the other Party(ies) to be fully informed as to the nature of the dispute(s)/difference(s)/issue(s), the amount of monetary claim, if any, and apparent cause(s) of action.

42.2.2 Conciliation proceedings commence when the other Party(ies) accept(s) the invitation to conciliate. If the acceptance is made orally, it is advisable that it be confirmed in writing. If the other Party(ies) reject(s) the invitation, there will be no conciliation proceedings.

42.2.3 If the Party initiating conciliation does not receive a reply within thirty days from the date on which he/she sends the invitation, or within such other period of time as specified in the invitation, he/she may elect to treat this as a rejection of the invitation to conciliate. If he/she so elects, he/she shall inform the other Party(ies) accordingly.

42.3 **CONCILIATION**

42.3.1 Where Invitation for Conciliation has been furnished under Article 1.2, the Parties shall attempt to settle such dispute(s) amicably under Part-III of the Indian Arbitration and Conciliation Act, 1996 and GAIL (India) Limited Conciliation Rules, 2010. It would be only after exhausting the option of Conciliation as an Alternate Dispute Resolution Mechanism that the Parties hereto shall go for Arbitration as per the provisions of Article 1.4 below. For the purpose of this Article, the option of ‘Conciliation’ shall be deemed to have been exhausted, even in case of rejection of ‘Conciliation’ by any of the Parties.

42.3.2 For dispute(s)/difference(s)/issue(s) pending before Arbitral or Judicial proceedings, pendency of such proceedings shall not constitute any bar on commencement of Conciliation proceedings and Invitation for Conciliation under Article 1.2, even if the Conciliation proceedings under this Article are on the same subject matter(s)/issue(s) as the Arbitral or Judicial proceedings.

42.3.3 The cost of Conciliation proceedings including but not limited to fees for Conciliator(s), Airfare, Local Transport, Accommodation, cost towards conference facility etc. shall be borne by the Parties equally.

42.3.4 The Parties shall freeze claim(s) of interest, if any, and shall not claim the same during the pendency of Conciliation proceedings.

42.3.5 The Settlement Agreement, as and when reached/agreed upon, shall be signed between the Parties and Conciliation proceedings shall stand terminated on the date of the Settlement Agreement.

43. **BILLING SYSTEM**

ORIGINAL Bills/Invoices to be forwarded in sealed envelope for release of payment in time and following should be clearly mentioned on “top left corner of the envelope” with “address” as under:

(a) Top left corner of the envelope

Vendor Code: \_\_\_\_\_

LOA/PO No.: ..... Date .....

Bill/ Invoice No.: ..... Date ..... Invoice Value: Rs. ....



Indenting Dept. .... Job/Supply of .....

(b) Address:

To,

In case of LOA/Contract	In case of PO
<b>HOD/EIC (Indenting/User Department)</b> <b>M/s GAIL (India) Ltd</b> IInd Floor, Central Dak Receipt Cell, Manisha Circle, Old Padra Road, Vadodara-390 015 Tel No. 0265 2330888 Extn: 343	<b>HOD (C&amp;P)</b> <b>M/s GAIL (India) Ltd</b> IInd Floor, Central Dak Receipt Cell, Manisha Circle, Old Padra Road, Vadodara-390 015 Tel No. 0265 2330888 Extn: 343

#### (c) BWS

On processing of your above bills/invoices through BWS of GAIL by the concerned representative of GAIL against the services performed/materials supplied, a receipt shall be generated with unique number and communicated automatically through email to you directly for you to see the status of your bills/invoices under main menu: [www.gailonline.com/bill](http://www.gailonline.com/bill) watch/payment asp.

#### 44. TRANSPARENCY

Bidders if so desires, may seek in writing the reason for rejection of their bid, to which GAIL shall respond quickly.

#### 45. PUBLIC PROCUREMENT POLICY FOR MICRO & SMALL ENTERPRISES

Government of India, vide Gazette of India No. 503 dated 26.03.2012 has proclaimed the Public Procurement Policy on procurement of goods & services from Micro and Small Enterprises (MSEs) by all Central Ministries/Departments/PSUs for promotion and development of Micro and Small Enterprises. Accordingly, following provisions have been made:

- Issue of Tender Documents to MSEs free of cost [against submission of valid NSIC Certificate with DIC Entrepreneurs Memorandum Acknowledgement (Part-II)].
- Exemption to MSEs from payment of EMD/Bid Security [against submission of valid NSIC Certificate with DIC Entrepreneurs Memorandum Acknowledgement (Part-II)].
- SSI Unit is also an MSE.
- There is no exemption to MSEs including SSI units (registered with NSIC under its single point registration scheme) from submission of Security Deposit/Contract Performance Bank Guarantee (CPBG).
- In Tender, participating Micro and Small Enterprises quoting price within price band of L1+15% shall also be allowed to supply a portion of requirement by bringing down their prices to L1 price in a situation where L1 price is from someone other than a micro and small enterprises and such micro and small enterprises shall be allowed to supply upto 20% of the total tendered value. In case of more than one such Micro and Small Enterprises, the supply shall be shared proportionately (to tendered quantity). Further, out of above 20%, 4% (20% of 20%) shall be from MSEs owned by SC/ST Enterprises. This quota is to be transferred to other MSEs in case of non-availability of MSEs owned by SC/ST Enterprises.
- The quoted prices against various items shall remain valid in case of splitting of quantities of the items as above.
- In case bidder is a Micro or Small Enterprises under Micro, Small and Medium Enterprises Development Act, 2006, the bidder shall submit the following:
  - Documentary evidence that the bidder is a Micro or Small Enterprises registered with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises.
  - If the MSE is owned by SC/ST Entrepreneurs, the bidder shall furnish appropriate documentary evidence in this regard.  
The above documents submitted by the bidder shall be duly certified by the Statutory Auditor of the Bidder or a practicing Chartered Accountant (not being an employee or a Director or not



having any interest in the bidder's company/firm) where audited accounts are not mandatory as per law.

If the bidder does not provide the above confirmation or appropriate document or any evidence, then it will be presumed that they do not qualify for any preference admissible in the Public Procurement Policy (PPP), 2012.

- (h) A list of 358 items notified vide the aforesaid Gazette of Govt. of India reserved for exclusive purchase from MSEs shall be applicable to this tender document.
- (i) If against an order placed by GAIL, successful bidder(s) (other than Micro/Small Enterprise) is procuring materials/services from their sub-vendor who is a Micro or small Enterprise registered with District Industries Centres or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises with prior consent in writing of the purchasing authority/Engineer-in-Charge, the details like Name, Registration No., Address, Contact No. details of materials & value of procurement made, etc of such Enterprises shall be furnished by the successful bidder at the time of submission of Invoice/Bill.
- (j) In case of tendered item is not splittable or non-dividable, MSE quoting price within price band L1(other than MSE) + 15% , may be awarded for full/complete value of supplies/contract subject to matching of L1 price.
- (k) The MSEs owned by SC/ST Entrepreneurs shall mean:
  - (1) In case of Proprietary MSE, Proprietor(s) shall be SC/ST.
  - (2) In case of Partnership MSE, the SC/ST partners shall be holding at least 51% share in the Unit.
  - (3) In case of Private Limited Companies, at least 51% share is held by SC/ST. If the MSE is owned by SC/ST Entrepreneurs, the bidder shall furnish appropriate documentary evidence in this regard.
  - (4) The Public Procurement Policy for MSEs is meant for procurement of only Goods produced & Services rendered by MSEs and hence shall not be applicable for Works Contracts.

#### 46. ABNORMALLY HIGH UNIT RATES (AHR ITEMS) & EXTRA/ SUBSTITUTED ITEMS

In items rate contract where the quoted rates for the items exceed 50% of the OWNER'S estimated rates, such items will be considered as Abnormally High Rates (AHR) Items beyond the SoR stipulated quantities shall be made at the lowest amongst the following rates:

- (i) Rates as per SOR, quoted by the CONTRACTOR.
- (ii) Rates of the item, which shall be derived as follows:
  - (a) Based on rates of Machine and labour as available from the contract (which includes CONTRACTOR'S supervision, profit, overheads and other expenses).
  - (b) In case rates are not available in the contract, rates will be calculated based on prevailing market rates of machine, material and labour plus 15% to cover CONTRACTOR'S supervision profit, overhead & other expenses"

**The contractor shall execute any Extra/ Substituted item if required and advised by the EIC. Rates of Extra Items, if required to be executed to complete the jobs, will be calculated based on prevailing market rates of machine, material and labour plus 15% to cover CONTRACTOR'S supervision, profit, overhead & other expenses including all taxes except applicable service tax.**

#### 47. DEBARRING AN 'ERRANT BIDDER' FROM PARTICIPATION IN RE-TENDERING

In case after price bid opening the lowest evaluated bidder (L1) is not awarded the job for any mistake committed by him in bidding or withdrawal of bid or varying any term in regard thereof leading to retendering, GAIL shall forfeit Earnest Money Deposit paid by the bidder and such bidders shall be debarred from participation in re-tendering of the same job(s)/item(s).

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## SECTION-III

### GENERAL CONDITIONS OF CONTRACT [GCC]- GOODS

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### GENERAL CONDITIONS OF CONTRACT [GCC]- [WORKS]

### ATTACHED AS A SEPARATE FILES

**NB: ABOVE GCC DOCUMENT (FILES) TO BE DIGITALLY SIGNED & TO BE UPLOADED [to be uploaded in folder- TENDER DOCS] WITH UN-PRICED BID BY THE BIDDER AS THE SAME IS INTEGRAL PART OF TENDER DOCUMENT**



## SECTION - IV

### SPECIAL CONDITIONS OF CONTRACT [SCC]



## SECTION-IV SPECIAL CONDITIONS OF CONTRACT [SCC]

### 1.0 GENERAL INFORMATION:

- 1.1 The "Special Conditions of Contract [SCC]" shall be read in conjunction with the "General Conditions of Contract [GCC]", "Schedule of Rates [SOR]", "Scope of Work", "Technical specifications" and any other document forming part of the Contract, wherever the context so requires.
- 1.2 Notwithstanding, the sub-divisions of the documents into separate sections, each part shall be deemed to be supplementary of every other part and shall be read with and into the Contract so far as it may be practicable to do so.
- 1.3 Where any portion of the "GCC" is repugnant to or at variance with any provisions of the "SCC", unless a different intention appears the provisions of the "SCC" shall be deemed to override the provisions of "GCC", and shall to the extent of such repugnancy or variations, prevail. In case of any contradiction, the decision of the "Engineer-in-Charge [EIC]" will be final and binding on the Seller.

### 2.0 SITE INFORMATION:

It is understood that before quoting the rates, the Bidder has visited the work-site and has acquainted himself fully with the nature and quantum of job to be carried out by him in case of award of contract. Ignorance of this will not be considered after the award of Contract. The Seller will be responsible to complete the entire job in all respects, including any other work necessary to complete the job satisfactorily, though specifically not covered in the "Scope of Work". Site address is as per Annexure-A.

### 3.0 WATER, POWER AND OTHER UTILITIES:

No water and power shall be provided by the OWNER. It shall be the responsibility of the SELLER to arrange water and power at his own cost for execution of work.

### 4.0 SCOPE OF WORK:

Detailed Scope of work has been defined in this tender document.

### 5.0 MOBILISATION ADVANCE:

No mobilization advance will be given.

- 6.1 SELLER shall be solely responsible for making available for executing the work, all requisite Equipment, Special Aids, Tools, Tackles and Testing equipment and appliances suitable for this type of work. Such equipment shall be subject to examination and approval by OWNER for the same being in first class operating condition. Any discrepancies pointed out by OWNER shall be immediately got rectified, repaired or the equipment replaced altogether, by SELLER within a reasonable time frame. OWNER shall not in any way be responsible for providing any such equipment, tools and tackles etc other than what is mentioned under OWNER'S OBLIGATION .

- 6.2 Contracted rates shall be deemed to be inclusive of custom duties, if any, applicable on the equipments & machinery imported from abroad and set up in





India for the execution of this contract. No adjustment in contracted rates shall be permissible for any change in duty as specified above.

**6.3 DEMURRAGE, WHARFAGE ETC.:**

All demurrage, wharfage and other expenses incurred due to delayed clearance of the equipments as above or any other reason shall be to the account of the SELLER.

**7.0 PRICE ESCALATION:**

The contract price shall be deemed to be firm and valid for the entire duration of the contract till the completion of work, and shall not be subject to any adjustment due to increase in prices of materials, utilities, or any other input for performance of work under the contract.

**8.0 COMPLIANCE WITH LAWS:**

The SELLER shall abide by all applicable rules, regulations, statutes, laws governing the performance of works in India, including but not limited to the following:

- i) Contract Labour (Regulation & Abolition) Act.
- ii) Payment of Wages Act.
- iii) Minimum Wages Act.
- iv) Employer's Liability Act.
- v) Factory Act
- vi) Apprentices Act
- vii) Workman's Compensation Act
- viii) Industrial Dispute Act.
- ix) Environment Protection Act.
- x) Any other Statute, Act, Law as may be applicable for supply, installation & commissioning of IP based CCTV surveillance system.
- xi) If the contractor is covered under the specific provision of the Contract Labor (Regulation & Abolition) Act, he shall necessarily obtain a license from concerned office of the Labor Commissioner by making payment of necessary prescribed fee and deposit, if any, before starting the work under the contract. Rates quoted by contractor shall be deemed to cover the costs for the same.

9.0 OWNER shall not be responsible for any default by SELLER due to lack of information on the part of the SELLER.

**10.0 SCHEDULE OF RATES:**

The Schedule of Rates (SOR) shall be read in conjunction with Special Conditions of Contract, General Conditions of Contract, Technical Specifications, scope of work, Drawings and any other document forming part of the contract. The quantities shown against the various items are only approximate and subject to variations as per the stipulation made in General Conditions of Contract. The contracted rates shall include any variations in the quantities of work. All the works, item wise, shall be measured upon completion and paid for at the contracted rates. In case any activity though specifically not covered in Schedule of Rates description but the same is covered under Scope of work/ specification/Drawings etc., no extra claim on this account shall be entertained, since SOR is to be read in conjunction with SCC, GCC, Technical specifications, drawings & any other documents forming part of the contract.

All items of work in the Schedule of Rates shall be carried out as per the specifications, drawings and instructions of the Engineer-In-Charge and the Rate so quoted in Schedule of Rates shall be inclusive of all materials, consumables,



- labour, supervision, tools and tackles, as well as preparatory, incidental, intermediate/auxiliary/ancillary or enabling works etc.
- 11.1 The rated quoted by contractor shall include all liabilities such as supervision, wages, overtime, leave, bonus, increment, retrenchment compensation, insurance and all other statutory payments, including providing of tools and tackles, under contractor's scope of supply, overheads, profits etc. for which no extra payment whatsoever will be made by GAIL.
- 11.2 Contractor shall quote the rates in accordance to Schedule of rates and shall be inclusive of all taxes & duties.
- 12.0 ENTRY PASSES, WORK PERMITS & SAFETY REGULATIONS:**
- 12.1 ENTRY PASSES:**
- 12.1.1 The SELLER has to apply for photo entry passes for his workers & staff in a prescribed Performa available with OWNER. The photo entry passes shall be issued by OWNER for a maximum period of two months and if extension is required by the SELLER, he has to apply separately for extension. As a special case temporary entry passes for a maximum period of seven days may be issued.
- 12.1.2 Non-utilized/Expired entry passes shall have to be submitted immediately to OWNER.
- 12.1.3 Identity card issued by the security section should always be carried /displayed by SELLER's employee on person while working inside the GAIL premises.
- 12.2 WORK PERMIT:**
- COLD and HOT WORK permits are to be obtained for the jobs as per requirement before commencing the work. No WORK permit shall be issued by the competent authority unless proper arrangement is made by the SELLER at site to ensure safe performance of WORK inside the premises. Job wise and area wise permit shall be issued to the SELLER and against each permit at least one construction supervisor and one safety supervisor of required level shall always be made available at site by the SELLER. The supervisor shall have sufficient experience in relevant field.
- 12.3 SAFETY REGULATIONS: REGARDING WORK PERMIT:**
- The WORK shall be carried out inside the pipeline installations as per safety practices enforced by OWNER safety section and instruction of EIC issued from time to time. To obtain WORK permit and to satisfy all conditions laid down therein, shall be the responsibility of the SELLER. The SELLER shall abide by all safety regulations of the company.
- 13.0 TERMS OF PAYMENT:**
- 13.1 FOR SUPPLY:**
- First of all, CPBG for 10% of total order value to be submitted by awarded bidder within 15 days from the date of issue of Letter of Intent.
- (i) GAIL shall release 70% payment within 15 days after receipt and acceptance of items at site through e-banking.
  - (ii) 20% payment shall be released after successful Installation, Integration, Testing & Commissioning of IP CCTV surveillance systems duly certified by Engineer-In-Charge through e-banking.
  - (iii) 10% payment shall be released after 15 days of successful trial run of the entire system and handing over of the system to GAIL along with all documentation.
- Sellers are therefore, requested to advise account no. in any SBI/HDFC/ICICI branch which having e-banking in their bid



**13.2 FOR INSTALLATION AND COMMISSIONING SERVICES:**

(i) 90 % payments towards service items, installation and commissioning shall be made after successful Installation, Testing & Commissioning of IP CCTV surveillance systems duly certified by Engineer-In-Charge through e-banking.

(ii) Balance 10% payment shall be released after 15 days of successful trial run of the entire system and handing over of the system to GAIL along with all documentation

**13.3 PAYING AUTHORITY:**

HOD (F&A)  
GAIL (INDIA) LIMITED,  
Regional Pipeline Networks Headquarter –Gujarat  
Manisha Circle, OP Road – VADODARA (390015)  
GUJARAT, INDIA.  
PHONE No.:0265 2330888

**14.0 EQUIPMENTS, TOOLS & TACKLES:**

The SELLER shall without prejudice to his overall responsibility to execute and complete the work as per specifications and time schedule, progressively deploy adequate equipments, tools & tackles and augment the same as decided by the Engineer-in-Charge depending on the exigencies of the work so as to complete all works within the contracted time schedule and without any additional cost to OWNER.

**15.0 TESTS AND INSPECTION:**

15.1 The SELLER shall demonstrate the various features and carry out the requisite tests of system supplied by him to meet the technical criteria given in the tender document during the execution of the work and site acceptance test.

15.2 All the software & hardware tests, codec errors/software debugging errors either on the cameras or Data server concerning the execution of the work shall be carried out by the SELLER at their own cost.

15.3 Any work not conforming to execution drawings, specifications or codes shall be rejected forthwith and the SELLER shall carry out the rectifications at his own cost.

15.4 Inspection and acceptance of work shall not relieve the SELLER from any of his responsibilities under this contract.

15.5 The SELLER shall submit the schedules well in advance to the EICs for deputing site engineers for inspection/witnessing the survey work in their respective regions.

**16.0 SKETCH DIAGRAM:**

The sketch diagram(s) accompanying the tender document are indicative & issued for tendering purpose only. These drawings are tentative and indicate the general scheme as well as the layout to enable the SELLER to make an offer in line with the requirements of the OWNER. The actual diagram may vary each site as per site condition and requirement. After survey along with Site Engineer, vendor shall be able to assess the shortest route, minimum PCC cutting works etc. However, no extra claim whatsoever shall be entertained for any variation in the “Approved/issued for construction” and “Tender drawings” regarding any changes/units.



**17.0 MAKE OF MATERIALS:**

- 17.1 All equipment and materials to be used under this contract shall be from approved vendors/manufacturers mentioned in tender elsewhere.
- 17.2 Where the makes of materials are not indicated in the tender document, SELLER shall furnish details of proposed makes and use the same after written approval of EIC.

**18.0 CLEARANCE OF SITE/QUALITY OF WORK:**

SELLER or his authorized representative shall be available at site at all times, during the progress of the work.

**19.0 ADHERENCE TO SPECIFICATION:**

The work shall be carried out as per certification certified by the International Certification of Electric Safety C.E (Conformity European) , Federal Communications Commission (FCC) ,USA or UL (Underwriters Laboratories), USA.

**20.0 CHANGES IN QUANTITIES OF SERVICE ITEMS DURING EXECUTION**

The quantities indicated in the Scheduled of Rates for service items are based on the information available as at present and may vary during execution depending upon site conditions. If the quantities of any item(s) change to some extent due to any reason whatsoever, the SELLER shall be bound to execute them at the rates quoted by him. The payment shall accordingly be made based on the actual quantity executed. However, no payment of any items other than mentioned in the SOR shall be made. Any other item required for complete integration and functioning of the system shall be provided by vendor without any extra cost to GAIL.

**21.0 DEFECT LIABILITY / WARRANTY PERIOD & SECURITY DEPOSIT:**

- 21.1 Defects liability and warranty period shall be 24 months from the date of completion of entire works. The Contract Performance Security / Security Deposits shall be 10% of the total estimated Contract value is to be remitted by the Successful Bidder / Seller within 15 days of issue of the "Letter of Intent (LOI)". However, the Earnest Money Deposit (EMD) remitted by the Successful Bidder / Seller can be converted / adjusted towards Contract Performance Security / Security Deposit, only if submitted in the form of Demand Draft / Banker's Cheque.
- 21.2 No interest shall be payable by the Owner / GAIL to the Seller for the amount of Contract Performance Security / Security Deposit remitted by him for fulfilment of the terms & condition of the Contract.
- 21.3 The Seller can furnish the Contract Performance Security / Security Deposit amount through Demand Draft / Banker's Cheque / Bank guarantee as per Clause of "Instruction To Bidders (ITB)" in the prescribed Form. The same shall be valid throughout the entire period of the Contract and until the expiry of the 'Defect Liability / Warranty Period' as a security for the satisfactory execution & completion of works in accordance with the Scope of Work, Terms & Condition of the Contract.
- 21.4 The Contract Performance Security / Security Deposit of the Seller shall be forfeited, if any statement / documents furnished by the Successful Bidder / Seller is found false and/or fabricated.
- 21.5 The Contract Performance Security / Security Deposit as above, after adjustment of any dues to Owner / GAIL, which may arise during the execution of the Contract and warranty period, shall be refunded after expiry of the 'Defect Liability / Warranty Period.'

**22.0 DOCUMENTATIONS / REPORTS:**

The Seller will maintain all records and relevant documents as required. The Seller will submit the day-to-day work progress and inspection reports to EIC. The materials, design and workmanship shall satisfy the applicable relevant Indian Standards, the job specifications contained herein and codes referred to. Where the job specifications stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied. After completion of Job, bidder will submit the three sets of as built drawing/Network diagram of each location.

**23.0 TERMINATION OF CONTRACT:**

In case, the Seller's performance is not found satisfactory as per the opinion of "EIC" at any point of time during the Contract, the Contract may be terminated by giving a fifteen [15] days' notice. Any loss incurred by the Owner / GAIL on this account shall be recovered from the Seller. GAIL may engage another agency to complete pending jobs under this Contract at the risk and cost of the Seller. If it is observed that work cannot be completed within the stipulated time, GAIL may get the work done through other agency(s) at the risk and cost of the Seller.

**24.0 SPARE PARTS:**

Bidder shall keep stock of essential spares at their nearest service centre for 02 years of warranty.

**25.0 AFTER SALES SERVICES:**

The seller shall give the details of their service centre in the state of Gujarat or neighbouring state and ensure that essential men and materials are placed to ensure quick and efficient after sales service during the warranty period.

The supplier shall attend the breakdowns in any of the supplied system as per following:

**RPNHQ VADODARA, GUEST HOUSE, UNDERA & RIL Terminal:- WITHIN 24 HOURS**

**VEMAR, ANKOT, SAMNI, VAGHODIA, JAMBUDI, SHERPURA & KADI, KALOL, RAMOL:- WITHIN 48 HOURS**

SUPPLIER shall ensure proper functioning of hardware / software. In case of any malfunctioning, these shall be replaced immediately free of cost during the warranty period.

SUPPLIER shall supply software updates free of cost during the warranty period as and when these are released

If major faults (service outage) are not attended and rectified within 24/48 hours as mentioned above, penalty of Rs. 1000/- per day shall be imposed till the time these problems are rectified.

For minor faults (failure of standby system or any minor nature of problems which does not cause the service outage) if not attended within 03 days, penalty of Rs. 500/- per day shall be imposed till the time problem is resolved.

**26.0 DOCUMENTATION:**

Two sets of installation manual / user manual/training manual shall be supplied at each stations. The manual shall include complete system details such as lay out,



schematic of the system, working principle etc. Step by step maintenance, frequency of maintenance and troubleshooting procedures shall be clearly mentioned in the manuals.

**27.0 RECOVERY:**

- 27.1 Income tax at the prevailing rates as applicable from time to time shall be deducted from contractor's bills as per Income Tax act, and quoted rate shall be deemed to include this.
- 27.2 Cost of any damage/loss of the GAIL's property by the contractor shall be recovered. GAIL decision in this regard will be final, binding & conclusive.
- 27.3 Any other taxes as applicable from time to time.

**28.0 RESPONSIBILITY OF CONTRACTOR:**

- a) The contractor shall mobilize and place in position the necessary resources mentioned elsewhere in tender document.
- b) The contractor shall make his own arrangement for the safety and security of the material, tools & tackles etc. GAIL will not be responsible for any misplacement or damage or theft of the contractor's material/equipments.
- c) The contractor shall be wholly responsible for the theft, burglary, breakdown or any mischief done by their staff and any loss to GAIL, shall be recovered from the contractor through bill.
- d) The contractor shall abide by the rules and regulations of the security and safety as laid down and prevalent in GAIL form time to time.
- e) The contractor shall deploy team (skilled supervisor & technical persons) during ducting, cabling & other associated works require during installation & commissioning.
- f) Phone numbers shall be provided to EIC to communicate supervisor/ technical persons for Communication purpose.
- i) All expenses towards mobilization at site and demobilization equipments, work force, materials dismantling the equipment, clearing the site etc. shall be deemed to be included in the quoted price and no separate payment on account of such expenses shall be entertained.
- j) Vendor shall provide after sales service directly or through local contractual arrangement.
- p) GAIL's decision with the regard to the quality of the material and workmanship will be final. Any material rejected by the Engineer -in-charge shall be immediately removed from the site of work by the contractor at his own cost and risk without any compensation.
- q) Any job not mentioned in tender but required for successful installation & Commissioning of system in totality shall be in the scope of bidder/ vender.
- r) An acceptance report after commissioning shall be prepared and signed by Vendor & GAIL jointly.



- t) The bidder can visit the site before quoting for the entire work. The bidder shall quote after taking in to consideration all aspects of the site. Quoted rates shall be inclusive of installation, commissioning & testing charges. No extra claim shall be entertained at post project stage.
- u) The vendor shall take proper care of earthing of mounting pole to prevent & protect cameras, converters, power Adaptor, UPS, Server, and & Managed Network switch in case of spikes / static current due to lightening.
- v) The vendor shall provide Suitable surge protection system to prevent and protect all the equipments of the surveillance systems from surge, spikes / static current etc.

**29.0 OWNER'S SCOPE OF SUPPLY:**

GAIL will provide 220 V AC power supply at all the installations where CCTV system to be installed through its nearest MCB from where electrical power supply shall be extended to the equipments/UPS by vendor. GAIL will allow to use spare power point for operation of Laptop & test equipments etc. if required to commission the system.

HDPE duct will be provided by GAIL as free issue material from GAIL Central Ware House store at LPG Vaghodia.

**30.0 CONTRACTOR'S SCOPE OF SUPPLY:**

All the materials as per SOR will be in the scope of supply & Services General tools and tackles required by the contractor would be arranged by the contractor for carrying out the work as and when required by GAIL. Contractor shall provide & install a protective MCB of suitable rating before giving power to UPS/Equipment. Contractor should provide all required protective equipment's for safe handling of equipments at site.

Any other items, which have not been mentioned in SOR like fixtures/converters/power cables/adapters/ accessories/Junction Boxes etc. required to make system fully functional shall be provided by the vendor without any additional cost implication to GAIL. Cost of all such supplementary items is deemed to be included with the corresponding SOR item.

**31.0 COMPLETION PERIOD:**

All items shall be delivered within two months (60 days) from the date of Purchase order.

CCTV Surveillance system shall be installed immediately after award of order. Parallel Work if required shall be carried out at pipeline installations to finish the job within schedule time. All the sites shall be completed and commissioned in all respects within Six months (06 months) from the date of purchase order.

**32.0 LIQUIDATED DAMAGES:**

The details of Survey, Design, Installation & commissioning of IP based CCTV surveillance system, has been defined in scope of work .Time is the essence of this contract. It is understood that vendor is aware of contract for supply of material, carry out associated works & installation & commissioning of the surveillance system in all respect within scheduled time of six months from the date of order. On account of delay in completion of work beyond six months due to contractor's ignorance, a penalty of 0.5% per week of total contract value will



be imposed on the contractor. However, maximum penalty shall be limited to 5% of total contract value.

**PERFORMANCE BANK GUARANTEE:**

A value of 10% of the total awarded contract value has to be submitted by successful bidder as security deposit in the form of DD/BG, within 15 days from the date of issue of Letter of Intent and the same will not carry any interest. The warranty period is for 24 months and completion period of the system is 6 months. The Security Deposit shall be valid for 30 months from the dated of award of contract, however, Security Deposit shall be released after expiring of warranty period of 24 months after successful installation and commissioning of the surveillance system.

**33.0 SUPERVISION OF WORK:**

The contractor shall have one experienced supervisor who should be able to manage site activities while executing the job at site and guide his personnel to carry out the work as and when required as per the instruction of EIC. This shall be included in quoted price and no extra payment will be made by GAIL for this. In order to achieve desired workmanship and quality, the contractor shall deploy experienced and technically competent personnel.

**34.0 SUBLETTING OF CONTRACT:**

No part of this contract nor any share or interest therein shall be in any manner or extent is transferred or assigned or sublet, directly or indirectly to any person/firm or organisation whatsoever.

**35.0 DELIVERY OF MATERIAL:-** All materials will be delivered at respective site locations where it has to be installed. Detailed site address is enclosed in this tender document.

**36.0 AGREEMENT:**

The contractor shall execute an agreement on non-judicial stamp paper of Rs. 100/- within 15 days after award of work and acceptance of the same.

**37.0** Bidder has to quote for AMC ( after expiry of two years warranty period) rates as per SOR format. This item (AMC) is optional for GAIL and rate quoted shall not be considered while deciding lowest offer for award purpose.





**ANNEXURE-I**

**LOCATIONWISE DETAILS OF EQUIPMENTS TO BE INSTALLED**

Sr. No.	LOCATION	ADDRESS	SYSTEM	REMARKS
1	VADODARA	GAIL (India) Limited., RPNHQ-Gujarat, Manisha Circle, OP Road, VADODARA ( This location may change to other place in Vadodara city )	Central System will be installed at this location. (1) 02 No. of Fixed camera (2) Camera Server and storage device (3) 32 U Rack (4) 24 port switch (5) 08 No. of Ethernet to E-1 converter ( one for each Ankot,Samni,Vemar and Undera, Vaghodia, Jambodi, Sherpura & RIL Terminal) (6) ONLINE UPS 3 KVA-01 (7) Personal Computer ( Work station/Client machine)	
2	UNDERA	GAIL (India) Limited., UNDERA, VADODARA	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
3	VEMAR	GAIL (India) Limited., VEMAR, KARJAN TALUKA, VADODARA	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
4	ANKOT	GAIL (India) Limited., ANKOT, VAGRA TALUKA, BHARUCH - GUJARAT	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
5	SAMNI	GAIL (India) Limited., SAMNI, VAGRA TALUKA, BHARUCH- GUJARAT	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
6	KADI	GAIL (India) Limited., Gas Metering Station, Opposite Somani Ceramics Ltd., GIDC Industrial Estate, Kadi District- Mehsana, PIN- 382715	(1) STANDALONE CCTV SYSTEM WITH DISPLAY -01 (2) PTZ Camera-01 (3) Fixed Camera-01 (4) 8 U rack- 01 (5) ONLINE UPS 2 KVA-01	
7	GUEST HOUSE	GAIL (India) Limited.,	(1) STANDALONE CCTV SYSTEM WITH	



		Sobhana Nagar, Vasna Road, Vadodara	DISPLAY -01 (2) Fixed camera- 01 (3) ONLINE UPS 2 KVA-01 (4) 8 U Rack-01	
8	VAGHODIA	GAIL (India) Limited., Talkua-Vaghodia, Vadodara	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
9	JAMBUDI	GAIL (India) Limited., Village-Jambudi, Tehsil- Halol, District- Panchmahal	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
10	SHERPURA	GAIL (India) Limited., Village-Sherpura., On Halol Baria Road, District- Panchmahal, Gujarat	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
11	RIL TERMINAL	GAIL (India) Limited., RIL- Terminal, Ranoli, Vadodara	(1) PTZ Camera-01 (2) Fixed Camera-01 (3) 8 U rack- 01 (4) 8 PORT SWITCH-01 (5) E-1 TO ETHERNET CONVERTER-01 (6) ONLINE UPS 3 KVA-01	
12	KALOL TERMINAL	GAIL (India) Ltd., Near GCS Kalol, Village-Saij, Taluka-Kalol, District- Gandhinagar- 382721 Ph. No.- 02764- 292073	(1) STANDALONE CCTV SYSTEM WITH DISPLAY -01 (2) PTZ Camera-01 (3) Fixed Camera-01 (4) 8 U rack- 01 (5) ONLINE UPS 2 KVA-01	
13	RAMOL TERMINAL	GAIL (India) Ltd., Gas Receiving Terminal Ramol, Near to ONGC GGS Ramol, Village-Hatizen, Taluka- Daskroi, District- Ahmedabad, Ph. No.-079- 29295158	(1) STANDALONE CCTV SYSTEM WITH DISPLAY -01 (2) PTZ Camera-01 (3) Fixed Camera-01 (4) 8 U rack- 01 (5) ONLINE UPS 2 KVA-01	

- (1) Any other items/fixtures/converters/cables/accessories/ power cable required to make system fully functional shall be provided by the vendor without any additional cost implication to GAIL.
- (2) Power cable required for PTZ camera, shall be provided by the vendor as per technical specifications in the tender document and no extra payment will be made for the same.
- (3) In order to get the good coverage of pipeline installation, it may be required to installed poles on rooftop or other fixtures as per site requirement, for which there will be no separate payment.



## ANNEXURE-II

### FORMAT FOR LOGISTICS SUPPORT CERTIFICATE:-

(To be signed by Manufacturer's Corporate Level Signatory on Company's Letterhead)

I, on behalf of M/s .....confirm that THE SUPPLIED  
EQUIPMENT,-----, Model No.  
..... for the purpose of .....by M/s  
..... for M/s GAIL , against tender number  
..... shall continue to supported by us for a period of minimum 07 years.  
The quoted equipment shall not be withdrawn from Indian market as a matter of our corporate policy.

I further confirm that in case of placement of order by GAIL on us, we shall continue to support GAIL in providing  
back- up engineering , maintenance support and spare part support for a period of 07 years from the date of  
commissioning of the Integrated System at site.

SIGNATURE WITH SEAL  
[AUTHORIZED SENIOR MANAGEMENT LEVEL

SIGNATORY]

.....



# SECTION - V

## SCOPE OF WORKS & TECHNICAL DETAILS



## SECTION-V **SCOPE OF WORK**

### **1.0 INTRODUCTION:**

1.1 GAIL (India) Limited is operating more than 9500 Km cross country network of gas pipeline. GAIL supplies natural gas through pipeline and its branch pipelines to various customers such as Power Plants, Fertiliser Plants, Refineries, Chemical Plants, etc. in the States of Gujarat, Madhya Pradesh, Rajasthan, Uttar Pradesh, Andhra Pradesh, Maharashtra, Haryana and Delhi and other parts of the country.

RPNHQ –Gujarat located at Vadodara is Regional headquarter of GAIL (India) Limited.

1.2 GAIL intends to set up IP CCTV surveillance system for Pipeline installations monitoring. It is planned to install central server based system CCTV system at GAIL RPNHQ Vadodara and 01 PTZ & 01 Fixed camera at remote pipeline installations, which are connected to RPNHQ Vadodara through GAIL's captive communication network. GAIL shall provide the required bandwidth through sufficient no. of **E-1 ports** available at each pipeline site. Central server based monitoring and recording software will control and capture the video from each site and process it for display at central location and record it at Network attached storage device at server location. Presently total 8 remote sites (Undera, Vemar, Samni, Ankot, Vaghodia, Jambudi, Sherpura & RIL Terminal) will be connected through this system). Central system shall have capability for further addition of sites in future for surveillance purpose. In future as per requirement viewing and control facility shall be extended to local control rooms by extending CCTV LAN at these locations.

### **CCTV SURVEILLANCE SYSTEM**

The primary objective of implementing a surveillance system is to ensure effective surveillance of the GAIL Pipeline installations, Guest House and RPNHQ Vadodara office and also create a record for post event analysis. The Surveillance System shall provide an on-line display of live streamed video images on screen connected to Server/Work Station at RPNHQ Vadodara and store video images on Network attached storage system at Server location. System shall also provide the live streamed video images on screen connected to Server and client PC at Different locations where CCTV network LAN is extended in future. The Digital Video Recording & Management System shall comprise of high-resolution colour day/night Pure IP High Speed PTZ Dome Cameras and IP fixed Day Night High resolution Fixed Camera as required in weather proof & vandal-resistant housings. Each such camera should be streamed on the LAN network through CAT-6 cable. One highly efficient server with attached NAS/RAID storage capable of maintaining one month storing of captured Video stream and display through high capacity Ultra Graphic card shall host as the Database Server containing a database of all the cameras connected to the network and their configurations and other PC shall be client PC. The Server shall also host all the client machines in the live viewing, PTZ controlling, playback and recording of the cameras as well as some other activities. The server or Client PC to be installed at Room shall also be an administrator station on the LAN that shall manage and control the entire CCTV system and assign rights and permissions to all the client station(s). The system shall support Internet Explorer based clients that shall enable authorized users to view live video, record live video, control PTZ cameras, start camera or PTZ sequences, access recorded video clips etc.

It should not require proprietary hardware based solution and GAIL will choose off-the-shelf hardware for integration. It should provide inter-operability hardware, OS software, networking, printing, database connectivity, and reporting and communication protocols. The Equipments offered should conform to open standard protocols existing for digital video surveillance. **Camera and software shall be ONViF compliant.**



CCTV system for Guest house, Kadi Terminal, Ramol Terminal, Kalol Terminal shall not be on the network. These systems must be self-sufficient system to capture, display and record the video at these locations.

Detailed technical specification of standalone system for Guest house, Kadi Terminal, Ramol Terminal, Kalol Terminal has been mentioned elsewhere in this tender document.

**System Installation shall be as follows:-**

AT RPNHQ VADODARA:-

1. Central Server with attached storage device to be installed in 32 U Server Rack
2. Video operation software shall be installed at Server
3. 24 Port Layer -2 Switch for networking purpose
4. Separate Ethernet to E-1 converters for each remote pipeline locations
5. 03 KVA UPS for Power Backup for entire CCTV system
6. 02 Fixed IP Camera for surveillance of RPNHQ Building Vadodara
7. One No. Work station/Client PC

AT PIPELINE INSTALLATIONS (VEMAR, ANKOT, SAMNI, UNDERA, Vaghodia, Jambudi, Sherpura & RIL terminal):-

1. E-1 to Ethernet converter
2. 08 port Switch
3. 03 KVA UPS for Power Backup to all CCTV system devices
4. 8U WALL mounted Rack
5. 01 PTZ and 01 Fixed IP Camera

AT PIPELINE INSTALLATION KADI, Ramol Terminal & Kalol Terminal

1. Standalone CCTV system
2. 02 KVA UPS for Power Backup
3. 01 IP PTZ and 01 Fixed IP Camera
4. 01 Wall Mounted Rack

AT GAIL GUEST HOUSE VADODARA

1. Standalone CCTV system
2. 02 KVA UPS for Power Backup
3. 01 Fixed IP Camera
4. 01 Wall Mounted Rack

**The equipment offered shall meet the minimum standards as stated in the specifications.**

All the equipment offered shall be suitable for operation on 230v + 10% or -15 %, 50 Hz  $\pm$  5% single phase power supply. Power for all the equipment will be made available from the nearest point, which shall be in the scope of GAIL. Power Cabling from this point to UPS location shall be extended by vendor with installation of all protective equipments like MCB etc. If any equipment operates on any voltage other than the supply voltage and supply frequency, necessary conversion/correction device for supply shall be in the scope of vendor.

**2.0 SCOPE OF WORK:**

Survey, Design, supply, installation, testing & commissioning of IP based CCTV surveillance system equipped with PTZ IP cameras and fixed IP camera, mounted on pole or on available structure, ducting and laying of power/CAT-6 cable in existing trench available. Where there is no trench available, fresh trench will be made as per site requirement to lay the duct and cable will be laid through duct. Scope of work also includes the supply and installation of other associated accessories, operation instruction manual, maintenance manual and training at site to meet Technical & general specifications as mentioned in tender.





Scope of work also includes two years comprehensive warranty for entire system supplied and installed by the vendor.

**2.1 The scope of work includes survey, design, installation, testing & commissioning but not limited to the following:**

- The scope of work shall include the survey, complete Design, Engineering, Supply, Installation, Testing and Commissioning of a fully functional and complete IP Based CCTV surveillance system comprising of IP PTZ cameras and IP Fixed camera as per technical specifications given in this tender document at GAIL Pipeline Installation. Integration of all cameras with camera server capable of maintaining 30 days recording contents of streamed Video through suitable switch, integration of Cameras with Video management Network Recording & Analytic Software. **All accessories and fitting hardware such as brackets / poles** (if required at site) together with associated trenching duct laying, cable pulling, masonry & civil work, site restoration, Power, CAT-6 cabling, integration of the system are included in the scope of work of the contractor..
- It shall be in the scope of vendor to lay the HDPE duct/PVC conduit/MS conduit underground at a depth of minimum 2 ft and push the CAT-6/Power cable in duct/conduit. After laying, site will be restored in original condition. HDPE duct will be collected from GAIL store at GIDC vaghodia.
- In order to lay the duct/cable, PCC/Road cutting may be involved at some locations. PCC/Road will be restored in original condition after completion of laying.
- Cable entry in room will be made properly and entry point will be properly sealed after completion of work.
- Location for installation of camera will be decided after site survey of each pipeline installation so that possible coverage of pipeline installation is made.
- If it is required to install pole/fixtures etc. on rooftop of the building or at other suitable location for installation of camera, pole will be supplied and installed with cement/concrete grouting to withstand the high wind speed.
- Permanent Iron Markers indicating the path of CCTV cable shall be installed along the cable path for identification purpose and to avoid the damage of the cable.

**2.2 LOCATION OF CENTRAL SYSTEM:**

Server and all associated equipment's shall be installed at present GAIL RPNHQ Building OR at any other location in Vadodara city. Same will be confirmed before supply of the item.

**2.3 The system shall comprise the following sub-systems and features:**

- Outdoor weather proof IP High Speed Day Night Dome High Resolution Camera having 25 FPS transmission capacity with Pan/ Tilt / Zoom facility.
- Outdoor IP Day Night High Resolution fixed Camera
- Monitoring, Recording and control equipment including Network Video Recorder (Server) and storage.
- LAN system, Rack, UPS, media converter etc.
- Associated hardware and software for smooth functioning of the system.
- Training on system operation and maintenance for GAIL staff at the sites.

- The scope is deemed to include all components, accessories and equipment required to implement a fully functional CCTV system regardless of whether they are explicitly mentioned or not. Power cable if required for PTZ camera shall be supplied by the seller.
- Documentation to be submitted shall include but not be limited to schematic drawings of the CCTV system with all the components shown, data sheets and catalogues of equipment offered, and operation and maintenance manuals.
- All associated accessories mounted on pole shall be kept inside a suitable water/weather proof and flame proof junction box.
- The CAT-6 and Power cable to be pulled in duct and duct shall be laid in trench as specified.
- System to be designed in open architecture to integrate more PTZ and fixed camera in future if required and capable of transporting of streamed videos to GAIL HQ Office through GAIL's existing LAN/WAN systems.
- All software to be provided in Media and licensed.
- Free of cost Software development keys shall be provided by the vendor for integration of CCTV system with other systems like Fire alarm system, access control system etc.
- For central monitoring purpose there should not be any requirement of additional software. Software provided with the system shall be capable for monitoring of remote stations with unlimited restriction on cameras and users and addition of new locations. Separate software will not be required for adding new locations. Moreover system hardware and software should be open architecture for integration with other make systems.
- All equipment shall be provided with surge and spike protection devices to safeguard the equipment against induced transients and voltage surge.
- The bidder shall furnish warranty for the entire system for a defect liability period of twenty four (24) months after final official hand over, date of installation and commissioning. This period shall include maintenance, replacement of parts, and regular periodic visit by qualified personnel of the Contractor and attending to emergency calls at short notice.

#### **2.4 Scope of the project is briefly listed below:**

1. The proposed solution should allow GAIL officials to view, operate and control the system sitting at GAIL RPNHQ-Vadodara, where server system shall be installed. However, system shall be capable of transporting of stored and live streamed video to GAIL's other location through GAIL's existing LAN/WAN in future, if required and accordingly bandwidth shall be arranged by GAIL. Vendor shall give demo for this at Undera & Dahej site after commissioning of the system. For Dahej demonstration, vendor has to extend the LAN of CCTV system at Dahej control room and demonstrate the viewing and control of specific cameras through client PC at Dahej. For this purpose E-1 connectivity shall be provided by GAIL through our existing OFC network.
2. The cameras shall be capable of bringing the entire video data over the cables and then the images should be made available to the server/client PCs to be installed for supervision.
3. The solution should be able to capture and store digital video images to enable central monitoring, increase operational efficiency, reduce liability, minimize risk and secure people and property.



4. The solution should be user friendly and should work as Graphic User Interface (GUI).
5. The system should be provided with weather proof outdoor Pure IP PTZ cameras at with housing & mountings to receive the video on transmission cables which would be viewed & controlled through the video management software, recorded and stored.
8. The video management software will be used to configure the video management & storage server and once the installation and setup are complete the video management server should run seamlessly in the background to manage the access and storage.
9. It shall be possible to control, view and record the events occurring within the range of camera at a centrally located PC at control location.
10. Supply, installation, testing and commissioning of all other associated hardware and software for smooth functioning of the system.

#### **2.5 TRAINING:-**

There shall one training course, at GAIL-Vadodara site when the system will be made operational. It shall be explicitly understood that owner's personnel shall be fully associated during engineering, installation, testing and commissioning activities and this opportunity shall be taken by Vendor to impart on the job training in addition to the training mentioned above. Vendor shall provide comprehensive documentation, course materials, manuals, literature etc. as required for proper training of owner's personnel at vendor's cost. After the completion of the course, all such materials shall become the property of GAIL



## TECHNICAL SPECIFICATIONS

**(1) SOR ITEM NO.-(1) MATERIAL CODE:- 8560201621**

NETWORK VIDEO RECORDING SERVER AND NETWORK ATTACHED STORAGE (NAS)/RAID BACKUP DEVICE FOR MULTI-CHANNEL N/W CAMERAS RECORDING & STORING  
**(MAKE:-DELL/IBM/HP/SUN)**

SN 1(A)	MINIMUM SPECIFICATIONS ( For Network Video Recording Server )
1	CPU: Quad- CORE INTEL XEON PROCESSOR E-5 SERIES 2.4 GHZ,10 MB CACHE OR BETTER, 1066 MHZ SYSTEM BUS, WITH DVD WRITER 18 X DUAL LAYER, OPTICAL MOUSE WITH SCROLL, KEYBOARD, RAID5 SMART ARRAY CONTROLLER, HOT PLUG REDUNDANT POWER SUPPLY, HOT PLUG REDUNDANT FAN, RACK MOUNTABLE
2	RAM- Minimum 32 GB, ECC DDR3 @ minimum 1333 MHZ FULLY BUFFERED DIMMS, SPARE DIMM SOCKET
3	NETWORK ADAPTER- Minimum two no. EMBEDDED DUAL PORT ETHERNET NIC OR BETTER WITH LOAD BALANCING AND FAIL OVER SUPPORT WITH SUFFICIENT PROVISIONS OF RJ 45 UTP ETHERNET PORTS.
4	DVD RW 18X DUAL LAYER
5	OS:- LATEST OS MICROSOFT WINDOWS SERVER 2008 or 2012 Or Linux, SHOULD BE COMPATIBLE WITH VIDEO RECORDING, ANALYTIC SOFTWARE & CLIENT PC WINDOWS OS; ANTI VIRUS SOFTWARE- Latest USB PORTS-Minimum 04
6	HARD Disks:- 6 X 1 TB Hot Plug HDD or better Hard Disk Controller- Integrated Hardware based Raid Controller
7	OTHER FEATURES ONBOARD ULTRA 320 SCSI CONTROLLER or HIGHER HOT-PLUG HDD, REDUNDANT HOT-PLUG FAN. IN BUILT AC-97 AUDIO CHIP OR BETTER FOR SOUND
8	RECORDING SPEED: Minimum 25 fps/channel
9	GRAPHIC CARD: Extremely high quality Graphic card capable of HD resolution and 65K colours ( or true colour) with sufficient video memory Ports - 1600 X 1200 video resolution For Video Other IO Ports:- To connect to storage device
SN 1(B)	<b>NETWORK ATTACHED STORAGE/RAID Backup Device:- Minimum 20 TB, Should be compatible with the server and networking components, It shall provide the sufficient storage of all the network cameras(present requirement + 30 % ) for minimum period of 30 days with continuous recording at best picture quality of camera. Minimum Specification of NAS/RAID Backup device shall be as given below:-.</b>
1	NAS box/RAID backup device shall be used to record video streams based on the configuration assigned by administrator. Workstations & Servers within the LAN should be able to access the recorded video streams. The NAS/RAID backup device should support simultaneous play back



	and recording at full duplex operation.																				
2	<p>It shall provide a high quality recording storage and play back of images. It should support integration with LAN to provide Centralized Management and shall operate on Windows / Linux OS. Support of user management for security level control and authentication required. These NAS boxes/RAID backup device should have the following features and specifications:</p> <table border="1"> <tr> <td>Onboard CPU</td><td>Dual Intel Xeon R Support up to 2.8 GHz</td></tr> <tr> <td>Onboard Memory</td><td>2 GB DDR RAM</td></tr> <tr> <td>HD Drive</td><td>As per system requirement</td></tr> <tr> <td>Host Interface</td><td>Dual Gigabit Ethernet</td></tr> <tr> <td>RAID Support</td><td>RAID levels 0, 1, and 5</td></tr> <tr> <td>Network Transport Protocols</td><td>TCP/IP</td></tr> <tr> <td>Network File Protocols</td><td>CIFS, NFS, HTTP/HTTPS, FTP, NTP, SNMP, SMTP, DHCP and DNS</td></tr> <tr> <td>Drive Status /Space Monitoring</td><td>Supported</td></tr> <tr> <td>Operating System (OS)</td><td>MS Windows OS (Latest version) or Linux</td></tr> <tr> <td>Power supply</td><td>Hot pluggable Redundant Power Supply</td></tr> </table>	Onboard CPU	Dual Intel Xeon R Support up to 2.8 GHz	Onboard Memory	2 GB DDR RAM	HD Drive	As per system requirement	Host Interface	Dual Gigabit Ethernet	RAID Support	RAID levels 0, 1, and 5	Network Transport Protocols	TCP/IP	Network File Protocols	CIFS, NFS, HTTP/HTTPS, FTP, NTP, SNMP, SMTP, DHCP and DNS	Drive Status /Space Monitoring	Supported	Operating System (OS)	MS Windows OS (Latest version) or Linux	Power supply	Hot pluggable Redundant Power Supply
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Drive Status /Space Monitoring	Supported																				
Operating System (OS)	MS Windows OS (Latest version) or Linux																				
Power supply	Hot pluggable Redundant Power Supply																				

**(2) SOR ITEM NO. (2) MATERIAL CODE:- 8560201611**

**Video Operation and control software with analytics features:-**

2.1 The software shall operate on open architecture and should not have any restriction/limitation in the form of license for future integration with perimeter safety, access control, PA and fire / safety systems or increase decrease in any hardware/software and shall be based on open standards and open/free license. It should support minimum 64 cameras from the day one. It shall support the client PC (Minimum 16 No.) on the CCTV network for viewing of videos and full control of cameras.

2.2 Digital video surveillance control software should be capable to display and manage the entire surveillance system. It should be capable of supporting variety of devices such as cameras, video encoders, video decoders, PTZ controller, NVR, NAS boxes/RAID backup device etc.

2.3 The software should have inbuilt facility to store configuration of cameras.

2.4 The software should Support flexible 1/2/4/5/9/16 Windows Split screen display mode or scroll mode on the PC monitor or on preview LCD monitor as per site requirement.

2.5 The software should be able to control all cameras i.e. PTZ control, Iris control, auto/manual focus, and color balance of camera, Selection of presets, Video tour selection etc.

2.6 The software is required to generate reports of stored device configuration. The control software is required to provide alarm and alarm log. The log shall be able to be archived, printed and displayed using a device filter, a device group filter and/or a time window.

2.7 The software should have user access authority configurable on per device or per device group basis. The user shall have the facility to request the access of any camera and can control the camera for a reservation period. Control of camera is released after the reservation period.

2.8 The system shall provide User activity log (audit trail) with user id, time stamp, and action performed, etc.

2.9 The administrator should be able to add, edit & delete users with rights. It shall be possible to view ability / rights of each user or the cameras which can be viewed & controlled as per the permission assigned by the administrator.

2.10 The users should be on a hierarchical basis as assigned by the administrator. The higher priority person can take control of cameras, which are already being controlled by a lower priority user. There should be minimum 3 hierarchical levels of security for providing user level log in.

2.11 It should have recording modes viz. continuous, manual, or programmed modes on date, time and camera-wise. All modes should be disabled and enabled using scheduled configuration. It should also be possible to search and replay the recorded images on date, time and camera-wise. It should provide onscreen controls for remote operation of PTZ cameras. It should have the facility for scheduled recording. Different recording speeds (fps) and resolution for each recording mode for each camera should be possible.

2.12 It should provide programmable motion detection and scheduled based recording, to be defined area-wise. System must be able to support video motion detection algorithms to detect and track objects, learn the scene, Adapt to a changing outdoor environment, ignore environmental changes including rain, hail, wind, swaying trees and gradual light changes.

2.13 **The settings** shall be individually configurable for each alarm and each camera pre-record duration. This shall allow the Camera Server to capture video prior to the alarm/event, as well as after the alarm/event. It shall be selectable from a list of values ranging between 0 seconds and 5 minutes.

2.14 **The software** for clients should also be working on a browser based system for remote users. This will allow any authorized user to display the video of any desired camera on the monitor with full PTZ and associated controls.

2.15 **Retrieval:** The CCTV application should allow retrieval of data instantaneously or any date / time interval chosen through search functionality of the application software. In case data is older than 30 days and available, the retrieval should be possible. The system should also allow for backup of specific data on any drives like CD/DVD/Blue-ray/DDR Recorders or any other device in a format which can be replayed through a standard PC based software. Log of any such activity should be maintained by the system which can be



audited at a later date.

**2.16 Backup:** Online backup should be maintained to protect against storage failure.

**2.17 Storage: Minimum storage capacity 20 TB.** Data storage should be at a defined place as per the user requirement. The capacity of the storage should be equal to 30 days of recoding of all cameras at 25 fps/4 CIF with additional capacity for 30% camera. The system should follow FIFO on recording.

**2.18 Artificial Intelligence:** It shall have image tracking facility. If any object is found to be stationary for a pre-defined period the system shall track the event and alert the operator. This facility shall be provided on select cameras as defined by the tenderer. The system must have the features for identifying tail-gating, vehicle detection features, unattended baggage Identification, queuing analysis, people counter, intruder detection and external text insertion feature as per requirement as defined by the security Deptt at the time of installation.

**(3) SOR ITEM NO. (3) MATERIAL CODE:- 9320711633**

**Intelligent Gigabit POE Switch 24 Ports:-**

**24 Ports L2 Switch (MAKE:- Cisco/HP):-**

Vendor shall deploy Layer-2 Manageable Ethernet switch at RPNHQ Vadodara for setting up the Ethernet backbone for connectivity to CCTV Cameras and to powering up them as mentioned elsewhere in technical specifications of the tender document. The technical specifications of this type of switch shall also include but not limited to the following:

- (i) Input Power Supply: 220V AC [Maximum 400 watts]
- (ii) Network Module with 2nos SFP for Single mode Optical Fibers for supporting 10 Gbps backbone-link/uplink.
- (iii) 10/100/1000 Autosensing Ethernet ports (RJ45): 24 ports (all ports equipped with PoE IEEE 802.3af Class 2)
- (iv) Should be IPV4, IPV6 Compliant from Day One
- (v) Performance:
  - Should support non-blocking wire speed performance with minimum 100 Gbps (Full duplex) switching bandwidth & minimum 60 Mbps forwarding rate;
  - Should support minimum 4000 MAC address and minimum 1000 VLAN.
  - Should support Jumbo Frame, Port Mirroring, and Broadcast Storm Control etc.
  - Should support Multicast [Minimum supported Multicast Groups: 1024].
- (vi) Supported Standards:
  - IEEE 802.1D Spanning Tree Protocol
  - IEEE 802.1p CoS Prioritization
  - IEEE 802.1Q VLAN
  - IEEE 802.1s
  - IEEE 802.1w

- IEEE 802.1x
- IEEE 802.1x-Rev
- IEEE 802.3ad
- IEEE 802.1ae
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports
- IEEE 802.3 10BASE-T specification
- IEEE 802.3u 100BASE-TX specification
- IEEE 802.3ab 1000BASE-T specification
- IEEE 802.3z 1000BASE-X specification
- IEEE 802.3x Flow Control

**(vii) Management Featured:**

- Supporting SNMPv1, v2 and v3
- Supporting IGMP v1 / v2 / v3 snooping to optimize Multicast Traffic
- Supporting Web Based and CLI based management
- Should have DHCP client
- Should support file upload using TFTP, FTP, SFTP, or SCP for faster configuration

**(viii) Should have Monitoring & Trouble-shooting features enabled.**

**(ix) Should have appropriate Security Features enabled through:** (i) detection of ARP floods, (ii) detection of packets with invalid Source / Destination IP Address or (iii) detection of multicast packets etc.

**[4] SOR ITEM NO. [4] & [18] - MATERIAL CODE:- 9320759523**

**Intelligent Gigabit PoE switch 8 port (Cisco/HP):-**

Vendor shall deploy Manageable Ethernet switch at Pipeline installations for setting up the Ethernet connectivity to CCTV Cameras and to powering up them as mentioned else-where in technical specifications of the tender document. The technical specifications of this type of switch shall also include but not limited to the following:

**(i) Input Power Supply:** 220V AC [Maximum 400 watts]

**(ii) 10/100/1000 Autosensing Ethernet ports (RJ45):** 08 ports (all ports equipped with PoE IEEE 802.3af Class 2)

**[5] SOR ITEM NO.[5] & [19]- MATERIAL CODE:-8560150291**

**Fast Ethernet over E-1 converter (RAD/MRO-TEK/MOXA):-**

GAIL shall provide the sufficient bandwidth in form of E-1 (n X E-1) interface at pipeline installations, from its existing backbone communication system.

E-1 to Ethernet converter shall be of following minimum specifications:-

- Minimum 02 E-1 ports and 02 Fast Ethernet ports
- If 02 E-1 ( 04 Mbps) bandwidth is not sufficient to meet the bandwidth requirement for video streaming of 01 No. of PTZ and 01 No. of Fixed camera at Pipeline installations, Vendor has



to supply the media converter of sufficient no. of E-1 ports for bringing best resolution video at Main server site. According sufficient no. of E-1 interface shall be provided by GAIL.

#### TECHNICAL SPECIFICATION FOR MANAGABLE E1 TO ETHERNET CONVERTER

S/N	PARAMETER	MINIMUM SPECIFICATION
1	MAKE	RAD/MRO-TEK/MOXA
2	MODEL	VENDOR TO SPECIFY
3	MODEM TYPE	E1 TO ETHERNET CONVERTER
4	APPLICATION	LAN/WAN OVER TDM / LEASED LINE
4	POWER SUPPLY	150 to 280 V AC
	<b><u>E1 PORT</u></b>	
5	NO OF PORTS	Minimum -02
6	E1 INTERFACE	G.703, G.704, 120 Ω BALANCE
7	E1 FRAMING	UNFRAMED, FRAMED, FRAMED+CRC
8	E1 CODING	HDB3
9	E1 JITTER	AS PER G.823
10	BIT RATE	2048 Kbps (FULL MODE)
	<b><u>LAN PORT</u></b>	
11	NO OF PORT	Minimum-02
12	LAN STANDARD	IEEE802.3 ETHERNET, IEEE 802.3x FULL DUPLEX ON 10BASET, 100BASETX, IEEE802.3U, 100BaseTx, ITU-T G.703, G.704 & G.823
13	LAN SPEED	10 MBPS / 100MBPS OR HIGHER
14	LAN COMPATIBILITY	FULL/ HALF DUPLEX , MDI/MDI-X
15	CONNECTOR	RJ-45
16	LAN DISTANCE	< 150 M
17	SETTINGS	USING DIP SWITCHES/SOFTWARE
18	CLOCK	INTERNAL, RECOVERED (E1)
19	TESTING	LOCAL , REMOTE LOOP
	TECHICAL BROCHURE	SUBMIT TECHNICAL DOCUMENT/BROCHURE

(6) SOR ITEM NO. [6] & [16]- MATERIAL CODE:- 8560201641

#### **OUTDOOR PURE IP PTZ HIGH SPEED DAY / NIGHT HIGH RESOLUTION DOME TYPE CAMERA - WEATHER PROOF**

##### **IP HIGH SPEED PTZ DOME CAMERA – MINIMUM SPECIFICATIONS**

Sr. No.	FEATURE	REQUIRED PARAMETERS
1	Imager	Latest 1/4" CCD/CMOS or better



2	Resolution	(768 X 494) or better
3	Signal to Noise Ratio	> 50 dB
4	Lens	F 3.4 mm – 119 mm, Auto IRIS
5	Zoom - optical + digital	35x + 12x or better
6	Focus	Automatic with manual override
7	Video Compression	H.264 / MPEG4 up to 25 FPS at 768 X 494 or better
8	Indoor/Outdoor	Outdoor (Robust & Rugged)
9	Pan range	360 degrees
10	Tilt Range	0 To 90 degree Flip
11	PAN /TILT/ZOOM	Auto PAN and Auto Patrol mode
12	Day/Night	Yes
13	Presets	PTZ camera shall have 64 or more pre defined positions to be selected through suitable input alarm
14	Networking	10/100 Mbps Ethernet with Cat -6 cable Protocols: IPv4/IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DDNS, DNS and PPPoE
15	Operating Temperature	-10° C to + 50° C or better
16	Relative Humidity	Up to 90 % non-condensating
17	Housing	IP66 rating or better and vandal resistant for outdoor usages
18	Certification	FCC or CE and UL
19	Make	Pelco, Bosch, Honeywell, American Dynamics, Infinova, Vicon, Axis, Panasonic, Hitachi, Samsung, GE, Sony, Indigovision, Cisco, Verint, Milestone
20	Memory Slot	<b>Yes, with sufficient equipped memory to store 24 hours data in case of communication link failure. In case of restoration of link data must automatically update in central server</b>

(7) SOR ITEM NO. [7] & [17] - MATERIAL CODE:-8560201011

**COLOUR, PURE IP FIXED BOX TYPE DAY/NIGHT OUTDOOR CCTV CAMERA , WEATHER PROOF AND VANDAL RESISTANT, IP 66 OR BETTER HOUSING AS PER SITE REQUIREMENT**

**IP FIXED BOX TYPE OUTDOOR CCTV CAMERA – MINIMUM SPECIFICATIONS**

S.NO	FEATURE	REQUIRED PARAMETERS
1	Imager	Latest 1/3" Progressive Scan Ex view CCD or CMOS or better
2	Housing	Weather proof and vandal resistant , IP66 for outdoor usages
3	Resolution	1280 x 720 @ 25 fps
4	Night view	With 0.05 Lux
5	Lens	Focal length F-1.4, f=3.3-12 mm may vary as per site requirement



7	Indoor/Outdoor	Outdoor
8	Compression	MPEG-4 / H.264
9	Networking	10/100 Mbps Ethernet with Cat -6 cable Protocols: IPv4/IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DDNS, DNS and PPPoE. It should be pure IP not through any conversion
10	Operating Temperature	-10 °C to + 50 °C or better
11	Operating Humidity	up to 90 % non condensating
12	Mounting	Shall be wall mounted/Pole mounted
13	Certification	FCC or CE and UL
14	Make	Pelco, Bosch, Honeywell, American Dynamics, Infinova, Vicon, Axis, Panasonic, Hitachi, Samsung, GE, Sony, IndigoVision, Cisco, Verint, Milestone
15	Weather proof Housing	IP66 or better
16	<b>Memory Slot</b>	<b>Yes, with sufficient equipped memory to store 24 hours data in case of communication link failure. In case of restoration of link data must automatically update in central server.</b>

**Camera Housing & mount: The camera housing and mount should be:**

- Of the same make as that of camera and suitable for the model number offered as specified by the manufacturer and should be an integrated unit.
- Should be compact and outdoor type as required.
- Should support the weight of camera and accessories such as housing, pan & tilt head in any vertical or horizontal position etc.

**(8) SOR ITEM NO. (8) - MATERIAL CODE:- 9350401971**

**Server Rack 32 U( Make- MTS/Emerson/President or equivalent) :-**

- Floor Standing Rack:- The Server rack should be of 32 U Height Closed Rack with 600mm Wide and 1000 mm Depth, with Side panels made of Heavy Duty CRCA Sheet Steel.
- Construction Server Rack Should have Heavy duty CRCA sheet Steel folded profile with at least 4 set of Depth Members and side panels. Made of heavy duty sheet steel.
- Doors:- The Rack Front door single and should be Perforated Hexagonal for maximum air flow the rear door should be space saving design with Hexagonal Perforation with Lock.
- Top & Bottom Rack Top and Bottom Should be CRCA Steel made with cable Entry provision with glands at both side.
- Fan Rack Should have Fan tray inbuilt at top of the rack with 2 Fan 90 CFM 230 V A/C zero U mounting.
- Earthing Provision Rack Should have earthing provisions to protect equipment from electrical false.
- Power Distribution Unit Rack Should have Power Distribution unit of 6 Socket of 5/15 Amp each with Switch and Indicator with 2.5 Mtr. Cable and 3 Pin Plug.
- Other Accessories Rack should have Horizontal cable managers and other required Accessories Like Hardware Mounting Packet of 20. Equipment Shelf 725mm , Etc.

**(9) SOR ITEM NO. [9] & [21]- MATERIAL CODE:- 7140270261**



**ONLINE UPS 3 KVA :**

**On Line 3KVA UPS for Server and other equipment's at Vadodara & for Network devices and camera at Undera, Vemar, Ankot and Samni**

- 3KVA, single phase, online UPS with 12 hrs power backup (for Undera, Vemar, Ankot and Samni) & 8 Hrs. power backup at Vadodara with SMF batteries
- UPS should have capability to handle input fluctuation from 180V to 260V keeping output Voltage 220 +/- 10v
- Make of UPS: APC, Microtek, Emerson, Tata Liebert, Luminous only
- Battery has to be provided in suitable Rack/Stand

**(10) SOR ITEM NO. [10] & [22] -MATERIAL CODE:- 8560206003**

**Online UPS 2 KVA:-**

**On Line 2KVA UPS for complete CCTV system (At Guest House Vadodara & Kadi terminal)**

- 2KVA, single phase, online UPS with 08 hrs power backup with SMF batteries
- UPS should have capability to handle input fluctuation from 180V to 260V keeping output Voltage 220 +/- 10v
- Make of UPS: APC, Microtek, Emerson, Tata Liebert, Luminous only
- Battery has to be provided in suitable Rack/Stand

**(11) SOR ITEM NO. [11] & [20] - MATERIAL CODE:- 9350401961**

**8 U Rack for Remote sites:-**

Wall mounted type Heavy duty rack having power distribution unit for switch, media converter etc.

**(12) SOR ITEM NO. [12] & [24]- MATERIAL CODE:-8560209101**

**TECHNICAL SPECIFICATION FOR STANDALONE CCTV SYSTEM AT GUEST HOUSE AND KADI/KALOL TERMINAL**

System shall have following specifications:-

Sr. No.		
1	SYSTEM TYPE	PC/NVR Based
2	Acceptable Makes	Pelco, Bosch, Honeywell, American Dynamics, Infinova, Vicon, Axis, Panasonic, Hitachi, Samsung, GE, Sony, Indigovision, Cisco, HP, Dell, IBM, Verint, Milestone
3	No. of cameras supported	Minimum 04
4	Storage capacity	Minimum 01 TB and Minimum 30 days storage for 04 camera at highest resolution and frames
5	Video compression	H.264 / MPEG-4 / JPEG
6	PTZ Control	Yes
7	USB Port	YES
8	Frame Rate	H.264/MPEG-4/JPEG: 30fps (NTSC: 720 x 480)
9	Power	230 V AC
10	Ethernet	1000BASE-T/100BASE-TX/10BASE-T x 2
11	Display	21 inch HD LCD/LED screen of reputed make (





		Samsung/Sony/HP/Dell/IBM/Panasonic/Hitachi/LG)
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This system shall be fully functional standalone CCTV system including 21 inch HD LCD/LED display screen (Excluding camera). Camera shall be supplied as per SOR item.

(13) SOR ITEM NO. [13] & [25] - MATERIAL CODE:- 9320711933

**Supply of CAT-6 cable:-**

**Cables:** CAT 6 Cable would be used for all the connectivity in the entire system as per the requirement on ground. The cables should of Electronic Industries Association and Telecommunications Industry Association (commonly known as EIA/TIA) standards ISO/IEC-11801 or BIS standard.

- Category 6 unshielded 23 AWG solid bare Copper 4 pair twisted cable
- High performance Data Communication Cable
- Support bandwidth more than 250 MHZ
- Insulation: High Density Polyethylene
- Excellent Attenuation & Cross talk characteristics
- Able to transmit 10 Base-T, 100 Base-Tx, 1000 Base-T (Gigabit Ethernet Connection)
- Compliant of EIA/TIA 568 B.2-1, TIA/EIA 568 C.2, UL, CSA AND ISO/ IEC 11801 specifications
- Support network protocol 802.3 and IETF Standards
- **Make: Cisco, R&M, Nortel, 3COM, DLINK, AMP, Dax, Commscope**

(14) SOR ITEM NO. [23] - MATERIAL CODE:- 9305060081

**SUPPLY OF PERSONAL COMPUTER( WORK STATION/CLIENT MACHINE)**

**PRE-CONFIGURED PC WORKSTATION- CLIENT PC (DELL/IBM/HP)**

SN	SPECIFICATIONS
1	<p><b>Processor-</b> Intel Core i5 processor 4570( 6M cache, 4 cores, 4 threads, 3.2 GHz or better</p> <p><b>Chipset-</b> Intel Q87 Chipset or better</p> <p><b>Motherboard:-</b> Intel original or OEM motherboard</p> <p><b>Memory:-</b> Min. 8 GB DDR3 SDRAM, 1333/1600 MHz</p> <p><b>Hard Drive-</b>Min. 1 TB SATA, 7200 PM</p> <p><b>Optical Drive-</b> DVD +/- RW with dual layer write capabilities</p> <p><b>Audio-</b> Integrated stereo sound with internal speaker</p> <p><b>Monitor(</b> same make as of offered PC)- Min 18.5 " Flat panel widescreen LCD/LED monitor</p> <p><b>Keyboard(same</b> make as of offered PC)-104 keys or higher USB keyboard</p> <p><b>Mouse(same</b> make as of offered PC)-Optical USB scroll mouse with mouse pad</p> <p><b>Ports:-</b> Min. 2 USB 2.0 in front, 4 USB 2.0 in rear, 1 serial, 1 speaker, 1Mic., 1 headphone, 1RJ-45 , 1VGA</p>



	<p><b>Power Cable</b>-Required power cable for connecting PC</p> <p><b>Operating System</b>:- Microsoft Windows 8 Professional (64-bit) or latest compatible with CCTV software</p> <p><b>Form factor</b>- Small form factor with maximum volume of 13 liters . Please specify dimension in MM ( HXWXD)</p> <p><b>LAN</b>:- Integrated Gigabit Ethernet LAN 10/100/1000</p> <p><b>IP Compliance</b>:- IPv4 &amp; IPv6 compliant from day one.</p> <p><b>Security</b>:- Trusted platform module (TPM) 1.2/TCPA compliant.</p> <p><b>Manageability feature</b>:- Total less serviceability ( Tool less hood, hard drive and optical removal)</p>
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**Power Cable( if required for PTZ camera):-**

- Type of Cable : Copper Cable
- Voltage Rating : Upto 1100 volts
- Construction: 2.5 sq. mm multi strand annealed bare electrolytic grade copper conductor as per IS 8130/1984 with 7 strands of 0.67mm each
- Primary Insulation : Extruded PVC Compound
- Insulation Material: 5831/1984, PVC, Type-a as per BIS, with thickness 0.71 (min)
- Inner Sheath : Extruded PVC Compound
- Outer Sheath : Extruded PVC Compound (FRLS Type)
- Sheath Material: PVC, ST-1 as per BIS 5831/1984
- Armour over inner sheath : Galvanized steel wire for UAD less than 13 mm or Galvanized steel strip for UAD greater than 13 mm
- Core Identification: 3 Core : Red, Black and Green
- Applicable Standard: IS 1554, part-I/88
- Conductor Resistance: <7.410 ohms/KM at 20 DegC

**PVC Conduit**:- ISI Marked

**MS Conduit**:- ISI Marked



### **TECHNICAL SPECIFICATIONS COMPLIANCE STATEMENT**

Instructions: Compliance to each & every Specification/ parameter shall be clearly indicated as YES/NO in COMPLIANCE (In case of compliance write YES in column "YES" & in case of non-compliance/deviation write NO in column "NO")

Sr. No.	SPECIFICATIONS		Compliance ( YES or NO)
(1) <b><u>OUTDOOR PURE IP PTZ HIGH SPEED DAY / NIGHT HIGH RESOLUTION DOME TYPE CAMERA - WEATHER PROOF</u></b>			
1	Imager	Latest 1/4” CCD/CMOS or better	
2	Resolution	(768 X 494) or better	
3	Signal to Noise Ratio	> 50 dB	
4	Lens	F 3.4 mm – 119 mm, Auto IRIS	
5	Zoom - optical + digital	35x + 12x or better	
6	Focus	Automatic with manual override	
7	Video Compression	H.264 / MPEG4 up to 25 FPS at 768 X 494 or better	
8	Indoor/Outdoor	Outdoor (Robust & Rugged)	
9	Pan range	360 degrees	
10	Tilt Range	0 To 90 degree Flip	
11	PAN /TILT/ZOOM	Auto PAN and Auto Patrol mode	
12	Day/Night	Yes	
13	Presets	PTZ camera shall have 64 or more pre defined positions to be selected through suitable input alarm	
14	Networking	10/100 Mbps Ethernet with Cat -6 cable Protocols: IPv4/IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DDNS, DNS and PPPoE	
15	Operating Temperature	-10◦ C to + 50◦ C or better	
16	Relative Humidity	Up to 90 % non-condensating	
17	Housing	IP66 rating or better and vandal resistant for outdoor usages	
18	Certification	FCC or CE and UL	
19	Make	Pelco, Bosch, Honeywell, American Dynamics, Infinova, Vicon, Axis, Panasonic, Hitachi, Samsung, GE, Sony, Indigovision, Cisco, Verint, Milestone	
20	Memory Slot	<b><i>Yes, with sufficient equipped memory to store 24 hours data in case of communication link failure. In case of restoration of link data must automatically update in central server</i></b>	
22	Mention Make and model	Make: Model:	
(2) <b><u>COLOUR, PURE IP FIXED BOX TYPE DAY/NIGHT OUTDOOR CCTV CAMERA , WEATHER PROOF AND VANDAL RESISTANT, IP 66 OR BETTER HOUSING AS PER SITE REQUIREMENT</u></b>			
1	Imager	Latest 1/3” Progressive Scan Ex view CCD or CMOS or better	



2	Housing	Weather proof and vandal resistant , IP66 for outdoor usages	
3	Resolution	1280 x 720 @ 25 fps	
4	Night view	With 0.05 Lux	
5	Lens	Focal length F-1.4, f=3.3-12 mm may vary as per site requirement	
7	Indoor/Outdoor	Outdoor	
8	Compression	MPEG-4 / H.264	
9	Networking	10/100 Mbps Ethernet with Cat -6 cable Protocols: IPv4/IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DDNS, DNS and PPPoE. It should be pure IP not through any conversion	
10	Operating Temperature	-10 ° C to + 50 ° C or better	
11	Operating Humidity	up to 90 % non condensating	
12	Mounting	Shall be wall mounted/Pole mounted	
13	Certification	FCC or CE and UL	
14	Make	Pelco, Bosch, Honeywell, American Dynamics, Infinova, Vicon, Axis, Panasonic, Hitachi, Samsung, GE, Sony, Indigovision, Cisco, Verint, Milestone	
15	Weather proof	IP66 or better	
16	Memory Slot	<b>Yes, with sufficient equipped memory to store 24 hours data in case of communication link failure. In case of restoration of link data must automatically update in central server</b>	
17	Mention make and model	<b>Make:</b> <b>Model:</b>	

Sr. No.	SPECIFICATIONS	COMPLIANCE (YES OR NO)
<b>(3) NETWORK VIDEO RECORDING SERVER AND NETWORK ATTACHED STORAGE (NAS)/RAID BACKUP DEVICE FOR MULTI-CHANNEL N/W CAMERAS RECORDING &amp; STORING (MAKE:- DELL/IBM/HP/SUN)</b>		
1	CPU: Quad- CORE INTEL XEON PROCESSOR E-5 SERIES 2.4 GHZ,10 MB CACHE OR BETTER, 1066 MHZ SYSTEM BUS, WITH DVD WRITER 18 X DUAL LAYER, OPTICAL MOUSE WITH SCROLL, KEYBOARD, RAID5 SMART ARRAY CONTROLLER, HOT PLUG REDUNDANT POWER SUPPLY, HOT PLUG REDUNDANT FAN, RACK MOUNTABLE	
2	RAM- Minimum 32 GB, ECC DDR3 @ minimum 1333 MHZ FULLY BUFFERED DIMMS, SPARE DIMM SOCKET	
3	NETWORK ADAPTER- Minimum two no. EMBEDDED DUAL PORT ETHERNET NIC OR BETTER WITH LOAD BALANCING AND FAIL OVER SUPPORT WITH SUFFICIENT PROVISIONS OF RJ 45 UTP ETHERNET PORTS.	
4	DVD RW 18X DUAL LAYER	
5	OS:- LATEST OS MICROSOFT WINDOWS SERVER 2008 or 2012 Or Linux, SHOULD BE COMPATIBLE WITH VIDEO RECORDING, ANALYTIC SOFTWARE & CLIENT PC OS; ANTI VIRUS SOFTWARE- Latest USB PORTS-Minimum 04	
6	HARD Disks:- 6 X 1 TB Hot Plug HDD or better Hard Disk Controller- Integrated Hardware based Raid Controller	
7	OTHER FEATURES	



	ONBOARD ULTRA 320 SCSI CONTROLLER or HIGHER HOT-PLUG HDD, REDUNDANT HOT-PLUG FAN. IN BUILT AC-97 AUDIO CHIP OR BETTER FOR SOUND	
8	RECORDING SPEED: Minimum 25 fps/channel	
9	GRAPHIC CARD: Extremely high quality Graphic card capable of HD resolution and 65K colours ( or true colour) with sufficient video memory Ports - 1600 X 1200 video resolution For Video Other IO Ports:- To connect to storage	
10	SERVER MAKE:- MODEL:-	
11	NETWORK ATTACHED STORAGE/RAID Backup Device:- Minimum 20 TB- As per technical specifications MAKE:- MODEL:-	
<b>(4) 24 PORTS L-2 SWITCH</b>		
<b>Sr. No.</b>	<b>SPECIFICATIONS</b>	<b>Compliance ( YES or NO)</b>
1	As per technical specifications given in the tender document MAKE:- MODEL:-	
<b>(5) 8 PORTS SWITCH</b>		
1	As per detailed technical specifications given in the tender document MAKE:- MODEL:-	
<b>(6) FAST ETHERENT OVER E-1 CONVERTER</b>		
1	As per detailed technical specifications given in the tender document MAKE:- MODEL:-	
<b>(7) SUPPLY OF STANDALONE CCTV SYSTEM FOR GUEST HOUSE AND KADI (TOTAL 02 NO.)</b>		
1	As per detailed technical specifications given in the tender document MAKE:- MODEL:-	
<b>(8) Video Surveillance Application and Intelligent Video Analytic Software</b>		
1	As per detailed technical specifications given in the tender document	
(9)	<b>3 KVA ONLINE UPS: Mention:</b> As per detailed technical specifications given in the tender document Make: model:	
(10)	<b>2 KVA ONLINE UPS: Mention:</b> As per detailed technical specifications given in the tender document Make: model:	
(11)	<b>32 U SERVER RACK Mention:-</b> As per detailed technical specifications given in the tender document	



	<b>Make:</b>	<b>model:</b>	
(12)	<b>8 U SERVER RACK Mention:-</b> As per detailed technical specifications given in the tender document		
	<b>Make:</b>	<b>model:</b>	
(13)	<b>CAT-6 CABLE</b> As per detailed technical specifications given in the tender document		
(14)	<b>PERSONAL COMPUTER(WORK STATION/CLIENT MACHINE)</b> As per detailed technical specifications given in the tender document		
	<b>Make:-</b>	<b>model:-</b>	
(15)	Datasheet of the PTZ camera, fixed camera, switches, server and storage device/ racks/UPS etc. submitted with the tender document.		
(16)	All equipments of external fitment should be IP-66 complied and vandal proof.		
(17)	All software and firmware updates shall be free of charge		
(18)	All equipments shall be easy to integrate in supplied Racks with dedicated kits supplied by the Bidder. The Bidder shall provide All poles and fixtures required for installation of camera. The cable shall be underground wherever possible		
(19)	Manufacturer/Integrator has to provide quality System certificates along with EMC Test Reports compliance with CE(Conformite Europeanne), and either FCC (Federal Communications Commissions) USA OR UL (Under Laboratories) USA for quoted camera product with model nos.		
(20)	Manufacturer has to provide quality system certificate compliance with the I.S./ISO 9001/EN 29001 issued for their firm/Company and if bidder is System Integrator then Integrator also has to provide relevant IS/ISO certificates		
(21)	<p>Following certificates relating to the CCTV component Authorization for participating in the tender on manufacturer's behalf.</p> <ul style="list-style-type: none"> <li>• Authorization that the items quoted by the tenderer are in production and would be serviceable at-least 07 years from the date of tender. No obsolete products should be quoted.</li> <li>• Certificate from the OEM that if supplier fails to provide the service during the contract period, it will fulfil the contractual obligations.</li> <li>• Technical compliance to the specifications of the products quoted</li> <li>• Authorisation for providing test reports complying the specifications at the time of inspection.</li> </ul>		





# SECTION-VI

## DRAWINGS-NIL



# **SECTION-VII HEALTH, SAFETY ENVIRONMENT [HSE] SPECIFICATIONS**



## SECTION-VII

### **HEALTH, SAFETY AND ENVIRONMENT [HSE] SPECIFICATIONS**

#### **1.0 SCOPE**

These specifications establish the 'Health, Safety and Environment [HSE] Management' requirement to be complied with by the Contractors during executing their Job. Requirements stipulated in these specifications shall supplement the requirements of 'HSE Management' given in relevant act(s) / legislation(s).

#### **2.0 REQUIREMENTS OF 'HEALTH, SAFETY AND ENVIRONMENT [HSE] MANAGEMENT SYSTEM' TO BE COMPLIED BY BIDDERS**

- 2.1 Preferably, the Contract should have a documented 'HSE Policy' to cover commitment of their organization to ensure health, safety and environment aspects in their line of operations.
- 2.2 The Contractor shall ensure that the GAIL's 'Health, Safety and Environment [HSE]' requirements are clearly understood and faithfully implemented at all level, at sites.
- 2.3 Contractor shall promote & develop consciousness for health, safety & environment among all personnel working for the Contractor. Regular work-site meetings shall be arranged on 'HSE' activities to cover hazards involved in various operations during executing their jobs, location of First Aid Box, trained personnel to give First Aid, Assembly Points, standby Ambulance or vehicle and fire protection measures such as fire hydrant, water and fire extinguishers, etc.
- 2.4 Non-conformance of 'HSE' by Contractor [including his sub-Contractors] as brought out during review/audit by GAIL / external agency authorized by GAIL, shall be complied by Contractor and its report to be submitted to GAIL.
- 2.5 Contractor shall adhere consistently to all provisions of 'HSE' requirements. In case of non-compliance of continuous failure in implementation of any of the 'HSE' provisions, GAIL may impose stoppage of work and a suitable penalty for non-compliance. The decision of imposing work-stoppage, its extent & monetary penalty shall rest with GAIL.
- 2.6 All fatal accidents and other personnel accidents shall be investigated for root cause by GAIL and Contractor shall extend all necessary help and cooperation in this regard. Recommend corrective and preventive actions of findings will be communicated to Contractor for taking suitable actions should be taken by the Contractors to avoid recurrence of such incidences.
- 2.7 Contractor shall ensure that all their staffs and workers, including their sub-Contractor(s), shall wear 'Personal Protective Equipments [PPEs]' such as safety helmets, safety shoes, safety belts, protective goggles, gloves, etc., as per job requirements. All these gadgets shall conform to relevant IS specifications or equivalent.
- 2.8 Contractor shall assign competent & qualified personnel for carrying out various tasks/jobs as per requirement.
- 2.9 All equipments should be tested and certified for its capacity before use.
- 2.10 Contractor shall ensure storage and utilization methodology of materials that are not detrimental to the environment. Where required, Contractor shall ensure that only the environment-friendly materials are used.
- 2.11 All persons deployed at site shall be knowledgeable of and comply with the environmental laws, rules and regulations relating to the hazardous material substances and waste. Contractor shall not dump release or otherwise discharge or dispose off any such materials without the express authorization of GAIL.
- 2.12 Contractor should obtain all work permits before start of activities [as applicable] like hot work, confined space, work at heights, storage of chemicals/explosive materials and its use & implement all precautions mentioned therein.
- 2.13 Contractor should display at site office and work locations caution boards, provide posters, banners for safe working to promote safety consciousness, etc.
- 2.14 Contractor should carryout audits/inspections/supervisions at the sub-Contractor's works and submit the reports for review by GAIL.

#### **3.0 RELEVANT CODES FOR 'PERSONAL PROTECTION EQUIPMENTS'**

IS: 2925 – 1984	Industrial Safety Helmets
IS: 47701 – 1968	Rubber Gloves for Electrical Purpose
IS: 6994 - 1973 [Part-I]	Industrial Safety Gloves [Leather & Cotton Gloves]
IS: 1989 - 1986 [Part-II]	Leather Safety Boots & Shoes
IS: 5557 - 1969	Industrial & Safety Rubber Knee Boots
IS: 6519 – 1971	Code of Practice for Selections, Care & Repair of Safety Footwear
IS: 11226 – 1985	Leather Safety Footwear Having Direct Molding Sole
IS: 5983 - 1978	Eye Protectors
IS: 9167 - 1979	Ear Protectors
IS: 3521 - 1983	Industrial Safety Belts & Harnesses

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# SECTION-VIII

# OTHER FORMS & FORMATS



F-1  
BIDDER'S GENERAL INFORMATION

To  
GAIL (India) Limited,  
Manisha Circle, Old Padra Road  
Vadodara-390015

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687) FOR SURVEY, DESIGN, SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

- 1-1 Bidder's Name: \_\_\_\_\_
- 1-2 Registered Address: \_\_\_\_\_
- 1-3 Operation Address  
if different from above: \_\_\_\_\_
- 1-4 Name of Contact Person: \_\_\_\_\_
- 1.5 Telephone & Mobile Number: \_\_\_\_\_
- 1.6 E-mail ID & Web Site details: \_\_\_\_\_
- 1.7 NSIC Registration Details (if any), please specify -----  
(Documentary Evidence in support of above to be enclosed)
- 1.8 DIC Entrepreneurs Memorandum Acknowledgement Details (if any), please specify -----  
(Documentary Evidence in support of above to be enclosed)
- 1.9 ISO Certification, if any: \_\_\_\_\_  
(If yes, Copy of valid Certificate to be enclosed)
- 1.10 Numbers of years in operation: \_\_\_\_\_
- 1.11 Specify Status of Firm: \_\_\_\_\_  
[Proprietorship/Partnership/Limited Co]  
(Copy of Legal Documentary evidence to be enclosed in support of establishing the status of Firm)
- 1.12 Service Tax Registration No.: \_\_\_\_\_  
(Copy of 'Service Tax Registration Certificate' details to be enclosed)
- 1.13 PAN Details: \_\_\_\_\_  
(Copy of 'PAN' details to be enclosed)
- 1.14 Sales Tax Registration Details: \_\_\_\_\_  
(Copy of 'Sales Tax Registration' details to be enclosed-CST/VAT-TIN)
- 1.15 Excise Registration No.: \_\_\_\_\_  
(Copy of 'Excise Control Code Number [ECC] Registration' details to be enclosed)

Place:  
Date:

Signature of Authorized Signatory  
Name:  
Designation:



Seal:

**NB: Any documentary evidence in support of above to be authenticated/attested by Notary Public**

F-1A

**DETAILS OF P. F. REGISTRATION**

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687) FOR SURVEY, DESIGN, SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

Bidder to furnish details of Provident Fund Registration:

PF REGISTRATION NO. :

DISTRICT & STATE :

We hereby confirm that the above PF account is under operation presently and shall be used for all PF related activities for the labour engaged by us in the present work (if awarded to us).

(SIGNATURE OF BIDDER)





F-1B

**DETAILS OF PAN & SERVICE TAX NO.**

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

Bidder to furnish details of Permanent Account Number:

PAN DETAILS:

DISTRICT & STATE :

SERVICE TAX REGISTRATION NO.

We hereby confirm that the above PAN and SERVICE TAX NO. are presently under operation.

SIGNATURE OF BIDDER : \_\_\_\_\_

NAME OF BIDDER : \_\_\_\_\_

COMPANY SEAL : \_\_\_\_\_



F-2  
**BID FORM**

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687) FOR SURVEY, DESIGN,  
SUPPLY, INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

**Dear Sir,**

After examining / reviewing the Bidding Documents for contract for as per above including "Specifications & Scope of Work", "General Conditions of Contract [GCC]", "Special Conditions of Contract [SCC]" and "Schedule of Rates [SOR]", etc. the receipt of which is hereby duly acknowledged, we, the undersigned, pleased to offer to execute the whole part of the work and in conformity with the said Bid Documents, including Addenda / Corrigenda Nos. \_\_\_\_\_.

We confirm that this Bid is valid for a period of "four [04] months" from the date of opening of "Techno-Commercial / Un-priced Bid", and it shall remain binding upon us and may be accepted by any time before the expiry of that period.

If our Bid is accepted, we will provide the "Contract Performance Security / Security Deposit" equal to "10% [ten per cent] of the Contract Price" or as mentioned in Tender Document for the due performance within "fifteen [15] days" of such Award.

Until a final Agreement is prepared and executed, the Bid together with your written acceptance thereof in your "Notification of Award" shall constitute a binding Agreement between us.

We understand that Bid Document is not exhaustive and any action and activity not mentioned in Bid Documents but may be inferred to be included to meet the intend of the Bid Documents shall be deemed to be mentioned in Bid Documents unless otherwise specifically excluded and we confirm to perform for fulfillment of "Agreement" and completeness of the Work in all respects within the time frame and agreed price.

We understand that you are not bound to accept the lowest priced or any Bid that you may receive.

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

[Signature of Witness]  
Name of Witness:  
Address:



**F-3**  
**LIST OF ENCLOSURES**

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

Dear Sir,

We are enclosing the following documents as part of the Bid:

1. Proof of documents to substantiate "Bid Evaluation Criteria [BEC]"
2. "Health Safety and Environment [HSE] Policy" and "HSE Manual"
3. Copy of Bidding Documents along with "Addenda / Corrigenda" Nos. ...., duly signed and stamped on each page, in token of confirmation that Bid Documents are considered in full while preparing the Bid and in case of Award, Work will be executed in accordance with the provisions detailed in Bid Documents.
4. Any other documents if bidder wishes to mention.

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:



F-4

**PROFORMA OF "BANK GUARANTEE" FOR "EARNEST MONEY / BID SECURITY"**

(To be stamped in accordance with the Stamp Act)

Ref.....

Bank Guarantee No.....

Date.....

To:

**M/s GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

In accordance with Letter Inviting Tender under your reference No \_\_\_\_\_ M/s. \_\_\_\_\_ having their Registered / Head Office at \_\_\_\_\_ (hereinafter called the Tenderer), wish to participate in the said tender for \_\_\_\_\_.

As an irrevocable Bank Guarantee against Earnest Money for the amount of \_\_\_\_\_ is required to be submitted by the Tenderer as a condition precedent for participation in the said tender which amount is liable to be forfeited on the happening of any contingencies mentioned in the Tender Document.

We, the \_\_\_\_\_ Bank at \_\_\_\_\_ having our Head Office \_\_\_\_\_ (Local Address) guarantee and undertake to pay immediately on demand without any recourse to the tenderers by GAIL (India) Ltd., the amount \_\_\_\_\_ without any reservation, protest, demur and recourse. Any such demand made by GAIL, shall be conclusive and binding on us irrespective of any dispute or difference raised by the Tenderer.

This guarantee shall be irrevocable and shall remain valid up to \_\_\_\_\_ [this date should be six (06) months after the date finally set out for closing of tender]. If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instructions from M/s. \_\_\_\_\_ whose behalf this guarantee is issued.

In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_ at \_\_\_\_\_.

**WITNESS:**

(SIGNATURE)  
(NAME)

(OFFICIAL ADDRESS)

(SIGNATURE)  
(NAME)

Designation with Bank Stamp

Attorney as per  
Power of Attorney No. \_\_\_\_\_  
Date: \_\_\_\_\_



F-5  
**LETTER OF AUTHORITY**

[Pro forma for Letter of Authority for Attending Subsequent 'Negotiations' / 'Pre-tendering Conferences' / 'Un-priced Bid Opening' / 'Price Bid Opening']

Ref:

Date:

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

**Dear Sir,**

I/We, \_\_\_\_\_ hereby authorize the following representative(s) for attending any 'Negotiations' / 'Conferences [Pre-tendering Conference]', 'Un-priced Bid Opening', 'Price Bid Opening' and for any subsequent correspondence / communication against the above Bidding Documents:

[1] Name & Designation \_\_\_\_\_ Signature \_\_\_\_\_  
Phone/Cell: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-mail: ..... @ .....

[2] Name & Designation \_\_\_\_\_ Signature \_\_\_\_\_  
Phone/Cell: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-mail: ..... @ .....

We confirm that we shall be bound by all commitments made by aforementioned authorised representative(s).

Yours faithfully,

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:

Note: This "Letter of Authority" should be on the "letterhead" of the Firm / Bidder and should be signed by a person competent and having the 'Power of Attorney' to bind the Bidder. Not more than 'two [02] persons per Bidder' are permitted to attend "Techno-commercial / Un-priced" & "Price Bid" Openings.



F-6  
**"NO DEVIATION" CONFIRMATION**

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

**Dear Sir,**

We understand that any 'deviation / exception' in any form may result in rejection of Bid. We, therefore, certify that we have not taken any 'exception / deviation' anywhere in the Bid and we agree that if any 'deviation / exception' is mentioned or noticed, our Bid may be rejected.

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:





F-6A  
**DECLARATION**

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

**Dear Sir,**

We hereby confirm that we are not under any 'liquidation or otherwise insolvent', any 'court receivership' or similar proceedings and bankruptcy.

We further confirm that, we have not been kept under 'holiday' by GAIL/Project Management Consultant or 'blacklisted/banned' by any Government Department/Public Sector on due date of submission of bid.

We agree that if any noticed in future, our Bid may be rejected / terminated.

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:



F-7  
**CERTIFICATE**

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

Dear Sir,

If we become a successful Bidder and pursuant to the provisions of the Bidding Documents, award is given to us for **subject work** the following Certificate shall be automatically enforceable:

"We agree and acknowledge that the Employer is entering into the Agreement solely on its own behalf and not on behalf of any other person or entity. In particular, it is expressly understood & agreed that the Government of India is not a party to the Agreement and has no liabilities, obligations or rights there under. It is expressly understood and agreed that the Employer is authorized to enter into Agreement, solely on its own behalf under the applicable laws of India. We expressly agree, acknowledge and understand that the Employer is not an agent, representative or delegate of the Government of India. It is further understood and agreed that the Government of India is not and shall not be liable for any acts, omissions, commissions, breaches or other wrongs arising out of the Agreement. Accordingly, we hereby expressly waive, release and forego any and all actions or claims, including cross claims, VIP claims or counter claims against the Government of India arising out of the Agreement and covenants not to sue to Government of India as to any manner, claim, cause of action or things whatsoever arising of or under the Agreement."

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:



F-8

**PROFORMA OF "BANK GUARANTEE" FOR "CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT"  
(ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)**

To,  
M/s GAIL (India) Limited  
Vadodara

Dear Sir(s),

M/s. \_\_\_\_\_ have been awarded the work of \_\_\_\_\_ vide LOA No. \_\_\_\_\_ or GAIL (India) Limited, 16, Bhikaiji Cama Place, R.K. Puram, New Delhi.

The Contracts conditions provide that the CONTRACTOR shall pay a sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) as full Contract Performance Guarantee in the form therein mentioned. The form of payment of Contract Performance Guarantee includes guarantee executed by Nationalized Bank, undertaking full responsibility to indemnify GAIL (INDIA) LIMITED, in case of default.

The said \_\_\_\_\_ has approached us and at their request and in consideration of the premises we having our office at \_\_\_\_\_ have agreed to give such guarantee as hereinafter mentioned.

1. We \_\_\_\_\_ hereby undertake and agree with you that if default shall be made by M/s. \_\_\_\_\_ in performing any of the terms and conditions of the tender or in payment of any money payable to GAIL (INDIA) LIMITED we shall on demand pay without any recourse to the contractor to you in such manner as you may direct the said amount of Rupees \_\_\_\_\_ only or such portion thereof not exceeding the said sum as you may from time to time require.
2. You will have the full liberty without reference to us and without affecting this guarantee, postpone for any time or from time to time the exercise of any of the powers and rights conferred on you under the contract with the said \_\_\_\_\_ and to enforce or to forbear from endorsing any powers or rights or by reason of time being given to the said \_\_\_\_\_ which under law relating to the sureties would but for provision have the effect of releasing us.
3. Your right to recover the said sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) from us in manner aforesaid will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s. \_\_\_\_\_ and/or that any dispute or disputes are pending before any officer, tribunal or court.
4. The guarantee herein contained shall not be determined or affected by the liquidation or winding up dissolution or changes of constitution or insolvency of the said but shall in all respects and for all purposes be binding and operative until payment of all money due to you in respect of such liabilities is paid.
5. This guarantee shall be irrevocable and shall remain valid upto \_\_\_\_\_. If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instruction from M/s. \_\_\_\_\_ on whose behalf this guarantee is issued.
6. The Bank Guarantee's payment of an amount is payable on demand and in any case within 48 hours of the presentation of the letter of invocation of Bank Guarantee. Should the banker fail to release payment on demand, a penal interest of 18% per annum shall become payable immediately and any dispute arising out of or in relation to the said Bank Guarantee shall be subject to the jurisdiction of Delhi Courts.
7. We have power to issue this guarantee in your favor under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney, dated \_\_\_\_\_ granted to him by the Bank.

Yours faithfully,  
Bank by its Constituted Attorney

Signature of a person duly  
Authorized to sign on behalf of the Bank

**INSTRUCTIONS FOR FURNISHING  
"CONTRACT PERFORMANCE SECURITY / SECURITY DEPOSIT" BY "BANK GUARANTEE"**

1. The Bank Guarantee by successful Bidder(s) will be given on non-judicial stamp paper as per 'stamp duty' applicable. The non-judicial stamp paper should be in name of the issuing bank. In case of foreign bank, the said Bank Guarantee to be issued by its correspondent bank in India on requisite non-judicial stamp paper and place of Bid to be considered as Delhi. The same should be kept valid in accordance with "ITB: Clause-39".
2. The Bank Guarantee by Bidders will be given from bank as specified in "ITB".
3. A letter from the issuing bank of the requisite Bank Guarantee confirming that said Bank Guarantee and all future communication relating to the Bank Guarantee shall be forwarded to Employer.



4. If a Bank Guarantee is issued by a commercial bank, then a letter to Employer and copy to Consultant confirming its net worth is more than Rs. 100,00,00,000.00 [Rupees One Hundred Crores] or its equivalent in foreign currency alongwith documentary evidence.



F-9

**FORM FOR "TERMS & CONDITIONS"**

[PLEASE SUBMIT THIS FORMAT ALONGWITH THE OFFER/BID FOR ITS DETAILED EVALUATION]

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

S/N	DESCRIPTION	DETAILS/CONFIRMATIONS
1	<b>"CONFIRMATION" TO TERMS &amp; CONDITIONS:</b>	
1	FIRM PRICE	[CONFIRMED ALL TERMS & CONDITIONS AS PER RFQ & TENDER DOCUMENT]  <b>[TO BE CONFIRMED BY THE BIDDER]</b>
2	EARNEST MONEY / BID SECURITY	
3	SCOPE OF WORK	
4	SPECIAL CONDITIONS OF CONTRACT	
5	GENERAL CONDITIONS OF CONTRACT	
6	SCHEDULE OF RATES/PRICE SCHEDULE/ PRICE BASIS	
7	DURATION / PERIOD OF CONTRACT	
8	PERIOD OF VALIDITY OF BID	
9	PRICE REDUCTION SCHEDULE [PRS]	
10	CONTRACT PERFORMANCE SECURITY/ SECURITY DEPOSIT	
11	GUARANTEE / DEFECT LIABILITY PERIOD	
12	ARBITRATION / JURISDICTION OF COURT	
13	FORCE MAJEURE	
14	DOCUMENTARY EVIDENCE TO SUBSTANTIATE "BID EVALUATION CRITERIA [BEC]"	
15	NIL	
	<b>NOTE: FURTHER, IT IS ONCE AGAIN REMINDED NOT TO MENTION ANY CONDITION IN THE BID WHICH IS CONTRADICTORY TO THE TERMS AND CONDITIONS OF "RFQ &amp; TENDER DOCUMENT"</b>	
2	<b>CONTACT DETAILS OF BIDDER:</b>	
	DETAILED POSTAL ADDRESS	
	CONTACT PERSON	
	PHONE NO.	
	FAX NO.	
	E-MAIL	
	MOBILE / CELL NO.	
3	<b>E-BANKING ACCOUNT DETAILS:</b>	
		WE CONFIRM THAT PAYMENTS SHALL BE RECEIVED BY "E-BANKING" MODE, ONLY IN CASE OF RECEIPT OF ORDER FROM GAIL.
4	<b>DETAILS OF "EMD/BID SECURITY" SUBMITTED</b>	
<b>NOTE: PLEASE SUBMIT THIS "FORM" DULY FILLED ALONGWITH THE OFFER/BID</b>		

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:



F-10  
**FORMAT FOR "REGRET LETTER"**

**[TO BE SUBMITTED ON THE LETTERHEAD OF THE FIRM / BIDDER,  
IN CASE OF NON-SUBMISSION OF OFFER / BID]**

Ref:

Dated:

To  
**GAIL (India) Limited**  
Vadodara

**SUB: REGRET LETTER**

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

**Dear Sir,**

With reference to subject Tender, we are unable to quote due to the reason mentioned below:

- 1) The 'Service' does not fall in our 'Servicing' range
- 2) We do not meet "Bid Evaluation Criteria [BEC]" as specified in Tender
- 3) We cannot meet the 'scope of work' as specified in Tender
- 4) Capacity Constraint
- 5) Any other reason [please specify]

Yours faithfully,

Place:  
Date:

[Signature of Authorized Signatory of Bidder]  
Name:  
Designation:  
Seal:





Format F-11

**'PROFORMA' FOR CONFIRMATION ON APPLICABILITY OF "MICRO, SMALL AND MEDIUM ENTERPRISES DEVELOPMENT ACT, 2006 [MSMED ACT 2006]"**

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

You may aware that "Micro, Small and Medium Enterprises Development Act 2006" ('MSMED') has been come into force w.e.f. 2<sup>nd</sup> October 2006, which has repealed the provisions of the old Act regarding Small Scale Industrial undertakings.

2. As per the MSMED Act, Enterprises engaged in the manufacture / production of goods or rendering / providing of services are to be classified into Micro, Small and Medium enterprises based on the investment in plant and machinery/equipment.
3. Such Enterprises are required to file a memorandum in the prescribed form to the appropriate authority as mentioned in the MSMED Act.
4. The term Enterprises stated in the above paragraph includes Proprietorship, Hindu undivided family, Association of persons, Cooperative Society, Partnership firms, undertaking or any other legal entity.
5. For your ready reference, the definitions of Micro, Small and Medium enterprises are given below:

**Classification of enterprises engaged in:**

- (a) Manufacture or production of goods pertaining to any industry specified in the First Schedule to the Industries (Development and Regulation) Act 1951 as:

Nature of Enterprise	Investment in Plant & Machinery (#)
Micro	Does not exceed Rs. 25 Lacs
Small	More than Rs. 25 Lacs but does not exceed Rs. 5 Crores
Medium	More than Rs. 5 Crores but does not exceed Rs. 10 Crores

- (b) Providing or rendering services:

Nature of Enterprise	Investment in Equipment
Micro	Does not exceed Rs. 10 Lacs
Small	More than Rs. 10 Lacs but does not exceed Rs. 2 Crores
Medium	More than Rs. 2 Crores but does not exceed Rs. 5 Crores

(#) In calculating the investment in plant & machinery, the cost of pollution control, research and development, industrial safety devices and such other items as may be specified will be excluded

6. You are therefore requested to fill the "Format" [proforma attached] and submit the same along with proof of valid document/ certificate [indicating registration no.] in your offer. In case same is not submitted along with your offer, it will be presumed that your organization is not a micro, small or medium enterprises as per the provisions of MSMED Act 2006 and consequently you will not be eligible to the benefits admissible under the MSMED Act 2006.



Format - 11 (A)

**CONFIRMATION ON APPLICABILITY OF "MICRO, SMALL AND MEDIUM ENTERPRISES DEVELOPMENT ACT, 2006 (MSMED ACT 2006)**

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

1. We confirm that provisions of "Micro, Small and Medium Enterprises Development Act 2006" ('MSMED') are applicable to us and our organization falls under the definition of:
  - a. Micro Enterprise - ☐
  - b. Small Enterprise - ☐
  - c. Medium Enterprise - ☐

(Please put a tick in the appropriate box)
2. Copy of proof of valid document/ certificate [indicating registration no.] of being a Micro/ Small/ Medium Enterprises is enclosed.

Place:  
Date:

Signature of Authorised Signatory  
Name:  
Designation:  
Seal:

**Note:** In case above Format along with proof of valid document/ certificate [indicating registration no.] is not submitted in offer, it will be presumed that your organization is not a micro, small or medium enterprises as per the provisions of MSMED Act 2006 and consequently you will not be eligible to the benefits admissible under the MSMED Act 2006.



F-12  
FORMAT FOR "e-BANKING"

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

Sub: E-payment to 'Vendors/Contractors/Customers'

We are pleased to inform you that GAIL has adopted e-payment system for all 'Vendors/Contractors/Customers' through e-banking to avoid delay in payment, loss of instrument like DD/Cheque in transit, etc and ensure faster payment.

In view of above, you being a valuable 'Customer/Contractor/Vendor' to GAIL are requested to open your account in any of the designated bank as given below for making payment to you through e-banking:

1. State Bank of India
2. ICICI Bank
3. HDFC Bank
4. Any Other Bank

To facilitate this transaction, you are requested to forward us the following two documents (format enclosed) duly filled in, stamped and signed by authorized signatory at the earliest.

1. Format -1: This format is to be filled by the Vendor/Customer/Contractor on their letter head
2. Format -2: This format is to be filled by the Banker (of Vendor/Customer/Contractor) on their letter head

On receipt of above mentioned documents, your bank account details will be 'created/added' in our e-banking system. Payment against 'existing/future' contracts/orders (if any) shall be directly made to your account with intimation to you.

Please arrange to forward your authorization in above prescribed formats (attached)



Format-1 of F-12  
(CREATION/ADDITION)

**[FORMAT APPLICABLE FOR 'VENDORS/CUSTOMERS/CONTRACTORS' DESIROUS OF RECEIVING PAYMENT THROUGH E-BANKING IN THEIR ACCOUNT WITH 'SBI/HDFC/ICICI BANK' DIRECTLY]**

THIS FORMAT IS TO BE FILLED BY THE 'VENDOR/CUSTOMER/CONTRACTOR' ON THEIR LETTER HEAD

Dated:

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION UNDER RPNHQ, VADODARA"

To,  
M/s GAIL (India) Ltd,  
Vadodara,

Sub: Consent for receiving payment through e-banking directly in our account maintained in 'SBI/HDFC/ICICI' Bank.

Dear Sir/Madam,

We are pleased to forward our consent to receive payment directly to our 'bank account' through e-banking. Required details are given below:

1. Vendor/Customer's name with detail address: \_\_\_\_\_  
\_\_\_\_\_  
Tel. no \_\_\_\_\_ Fax No. \_\_\_\_\_  
Email ID: \_\_\_\_\_
2. Vendor Code: \_\_\_\_\_  
(As mentioned in 'address block' of RFQ issued by GAIL)
3. Name of bank with detail address: \_\_\_\_\_  
\_\_\_\_\_  
Tel. no \_\_\_\_\_ Fax No. \_\_\_\_\_  
Email ID: \_\_\_\_\_
4. Branch code : \_\_\_\_\_
5. Bank account no.: \_\_\_\_\_
6. Account type (Current/Saving): \_\_\_\_\_
7. MICR code: \_\_\_\_\_

Further to above, please find herewith our bank details 'duly verified'/furnished by our banker for creation/addition in your e-banking system and releasing payment directly to our bank account accordingly.

Thanking you,

(Authorized Signatory with name and seal)



Format-2 of F-12  
(CREATION/ADDITION)

[FORMAT APPLICABLE FOR 'VENDORS/CONTRACTORS/CUSTOMERS' DESIROUS OF RECEIVING PAYMENT  
THROUGH E-BANKING IN THEIR ACCOUNT WITH 'SBI/HDFC/ICICI' BANK DIRECTLY]

**THIS FORMAT IS TO BE FILLED BY THE BANKER (OF VENDOR/CUSTOMER/CONTRACTOR)  
ON THEIR LETTER HEAD**

Dated:

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

To,  
M/s \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir/Madam,

Sub: 'Verification/Furnishing' of Particulars of 'Account Holder'

This has reference to your request for the following 'Particulars' to be furnished/verified from this bank, wherein you have account and the same is in vogue.

1. Name of bank with detail address: \_\_\_\_\_  
\_\_\_\_\_  
Tel. no \_\_\_\_\_ Fax No. \_\_\_\_\_  
Email ID: \_\_\_\_\_
2. Branch code : \_\_\_\_\_
3. Account type (Current/Saving): \_\_\_\_\_
4. Bank account no.: \_\_\_\_\_
5. MICR code: \_\_\_\_\_

(Authorized Signatory with name and seal)



Format-3 of F12

**Real Time Gross Settlement (RTGS)/National Electronic funds transfer (NEFT) Mandate Form**

(To be issued on vendors letter head)

1. Vendor/customer Name :
2. Vendor/customer Code :
3. Vendor /customerAddress:
4. Vendor/customer e-mail id :
5. Particulars of bank account
  - a) Name of Bank
  - b) Name of branch
  - c) Branch code:
  - d) Address:
  - e) Telephone number:
  - f) Type of account (current/saving etc)
  - g) Account Number:
  - h) RTGS IFSC code of the bank branch
  - i) NEFT IFSC code of the bank branch
  - j) 9 digit MICR code

I/We hereby authorize GAIL(India) Limited to release any amount due to me/us in the bank account as mentioned above. I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or lost because of incomplete or incorrect information, we would not hold the GAIL(India) Limited responsible.

-----  
(Signature of vendor/customer)

**BANK CERTIFICATE**

We certify that -----has an Account no. -----with us and we confirm that the details given above are correct as per our records.

Bank stamp

Date

(Signature of authorized officer of bank)



F-13

**OFFER/APPLICATION FORMAT**

Ref: GAIL/

Date:

To  
**GAIL (India) Limited**  
Vadodara

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

**Dear Sir,**

I/We offer to provide the quotation against your "Tender No. -----" for use by GAIL as per terms and conditions of this Tender Document:

The acceptance of Tender by GAIL shall constitute a binding Contract between us and GAIL (India) Limited.

"Bid Security/EMD" amounting to Rs. \_\_\_\_\_ [Rupees \_\_\_\_\_ only] in the form of Demand Draft No. \_\_\_\_\_, Dated \_\_\_\_\_, drawn on //Vadodara **OR**, Banker's Cheque No. \_\_\_\_\_ Dated \_\_\_\_\_; **OR**, Bank Guarantee No. \_\_\_\_\_ Dated \_\_\_\_\_ in favor of GAIL (India) Limited, Vadodara is enclosed.

I/We, have read and understood the terms & conditions of the Tender Document in totality before submitting the Offer. It is further understood that Offer without "Bid Security / Earnest Money Deposit [EMD]" in the required form stands to be rejected summarily.

Place:  
Date:

**[Signature of Authorized Signatory of Bidder]**

Name:  
Designation:  
Seal:





F-15

**UNDERTAKING**

(For bidders who have downloaded the tender document from GAIL's website)

To

GAIL (India) Limited,  
Manisha Circle, Old Padra Road  
Vadodara-390015  
Gujarat, INDIA

SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO. 8000006687 ) FOR SURVEY,  
DESIGN,SUPPLY,INSTALLATION & COMMISSIONING OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE  
INSTALLATION UNDER RPNHQ, VADODARA"

Dear Sir,

We ..... (Bidder) have downloaded the tender document from your website/e-tender portal (<https://etender.gail.co.in> or <https://www.gailtenders.in>). We hereby confirm that content of tender document have not been altered/ modified by us and same have been signed and stamped/digitally signed and uploaded in e-tender portal along with other documents as specified elsewhere in tender document. We also confirm that prices in requisite formats, strictly complying with the requirement, with prices blanked out (similar to the Priced Bid uploaded in E-tendering portal with prices blank out) including copy of EMD have been uploaded in GAIL's e-tender portal .

Place:  
Date:

Signature of Authorised Signatory  
Name:  
Designation:



# **CUT-OUT SLIPS**

## **PART - III: "EMD/BID SECURITY" OF TENDER & POWER OF ATTORNEY AS PER FORMAT F-5**

### **DO NOT OPEN – THIS IS A QUOTATION**

**SUB: TENDER NO.GAIL/BDA/49642/CP/BD/14/D 05 (E-BID INVITATION NO  
8000006687 ) FOR SURVEY, DESIGN,SUPPLY,INSTALLATION & COMMISSIONING  
OF CCTV SURVEILLANCE SYSTEM AT GAIL PIPELINE INSTALLATION AND GAIL  
GUEST HOUSE UNDER RPNHQ, VADODARA"**

**BID SUBMISSION DUE DATE & TIME : 06.08.2014 at 1400 Hrs.**

**TO**

**CH. MANAGER [C & P]  
GAIL (INDIA) LIMITED  
MANISHA CIRCLE,  
OLD PADRA ROAD  
VADODARA - 390015  
GUJARAT - INDIA  
Phone: +91-265-2330888 EXT  
380/381/383**



**TO BE PASTED ON THE OUTER ENVELOPE CONTAINING**  
**"EMD / BID SECURITY and POWER OF ATTORNEY AS**  
**PER FORMAT F-5"**